



2016 / H1

Product Catalogue

The Art & Mobility of **Healthcare IT**

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About Onyx

Onyx Healthcare Inc. is a professional medical IT company in providing trusted, innovative products, customer-centric design services and medical pc solutions.

Onyx cooperates closely with our partners to provide comprehensive medical products such as Smart View Medical Stations, Fanless Slim Panel PC, Medical Display, Healthcare Infotainment, Mobile Tablet PC, Medical PC and Mobile Computing Cart in the professional Hospital / Clinical IT market. Our products offer the advantages of filmless and paperless interaction in the hospital environment and all product solutions guarantee reliable quality (EN-60601-1 and UL-60601-1). In 2012, Onyx has received notable awards such as the "Taiwan Excellence Award 2013" in ZEUS series and Bedside Infotainment Terminal.



Product application focus: Hospital IT

» » High-Acuity Task Area

The emergency department, Intensive care, labor and delivery units, neonatal ICUs, operating rooms, post-anesthesia care units, and the radiology department.

» » Clinic/Nursing Station Area

PACs processing and daily hospital tasks.

» » Outpatient Area

Patient monitoring and patient home care.

Feature Products :

» » Medical IT

Advanced Medical Stations, Medical Grade Slim Panel PCs, Medical Grade Fanless Panel PCs.

» » Medical Platform

Mobile Nursing Cart, Bedside Infotainment Terminal.

» » Medical IT & Platform Accessory

Medical Grade Monitors, Medical Mounting Accessories.



OEM / ODM Service



Onyx -Your Design & Manufacturing Kitchen

1st Choice of Medical Device OEM / ODM Partners

Full Experience of Medical Certifications:

No need to worry about the problem of getting documents. With internal and external test laboratories, our experienced LAB engineers with more 10 years make sure your product certified. Onyx can help you bring your market to USA, Europe and China quickly.

- ISO 9001:2008
- ISO 13485:2003
- FCC Class A and Class B
- EN60601-1-2, UL61000-3-2, EN61000-3-3
- Safety MDD 60601-1, UL60601-1 version 3
- FDA Class II
- CCC



Ready to Use Embedded Computing Platform:

Belonging to ASUS and Aaeon Group, Onyx provides rich and cutting edge motherboard technology to our clients. Do not worry about falling behind your competition. Your company will be the leader in the field.

- Off-the shelf miniITX motherboard solution
- Latest Computer-on Module (COM) solutions
- Single compact computer solutions (X86 and RISC ARM)
- Free of charge BIOS and driver service



✚ Complete Design Control Service:

From in-house ID designer, dedicated X86 and RISC hardware engineers, to system integration engineers, Onyx gives our clients hassle-free design control and product life cycle management. Your product guarantees for 7 years or longer support.



- European style ID, outlook and feeling
- Plastic, Metal, Aluminum enclosures



- Industrial IP grade design
- Battery Management
- Customization of accessory like cart and arm

✚ Cost Effective Global Supply Chain Choice:

With our strong SMT production line, procurement sources, assembly and aftersales technical team capabilities, Onyx helps you increase competitiveness and get more market share. Extreme flexible initial NRE charge let you strategically easy to move on your projects without too much investment.

- 4 SMT production lines
- Taiwan and China dual assembly line
- 2 RMA facilities in USA.
2 RMA facilities in Europe.
2 RMA facilities in Asia.



✚ Medical DMS Partner:

Onyx Design Manufacture Service (DMS) offers customers comprehensive product services from the creation of an initial design, through development to manufacturing, and including after-sales service. Onyx DMS combines these services through our extensive oversight process to guarantee unsurpassed product quality, dependability and robustness. Our strength as a medical technology leader lies in our close partnerships with Intel, AMD, and ASUS allowing us to gain early access to advanced technologies. Combined with superior supply-chain management and buying power, Onyx is able to provide single-source procurement across several industry sectors, benefiting our customers with uncompromised quality and services.



Mobile Cart Computing Solution

Onyx has developed an all in one panel computer that provides 24/7 non-stop service and offers true mobility. Venus, the medical portable computer, features dual hot swappable batteries system and universal mounting slots. The battery system allow users to replace one of the batteries without turning the computer off. Also, the dual batteries design supply a very long running time and short charging time. Lightweight design with Magnesium alloy rear cover provides high strength and great heat dissipation, and it has mounting slots that will fit any medical cart. Small features that come with the unit such as RFID, reading light bar, and smart card scanner come in handy for the operator.



- » » Wide product range for both 4:3 and 16:9
- » » Built-in dual battery to provide 125Wh power for standing 6 hours operating.
- » » Support running as 24/7 by swapping batteries.
- » » With magnesium alloy rear cover provides high strength , light weight ,and great heat dissipation.
- » » ORION, Hospital IT Management Software Padeage.
- » » Hi-speed recharge, flexible mounting type

✚ Swappable battery

Swappable batteries are small and light enough to be changed with one hand while also providing long-lasting, nonstop power



✚ ORION

Remotely monitor battery status including charging cycles, temperature, capacity, and usage statistics, or set custom reminders



✚ TPM

A Trusted Platform Module increase privacy and security utilizing hardware-encryption with files to ensure sensitive information remains safe and secure



✚ External output

9V/2A, 12V/2A, 24V/1A DC output connector supplies power to additional medical devices



✚ Lightweight design

Magnesium alloy construction and 300g batteries ensure the unit is sturdy, yet easy to carry, position and handle



✚ SDK

Gives full control over all functions of the unit. Can be used to monitor power usage, manage user access and control all aspects of system security.



Successful Story

The Venus-Mobile Cart Computer was chosen for use by our nursing staff at the Taiwan Chiang Kai-shek Memory Hospital. The swappable battery saves my time so I can spend more time taking care of more patients. I no longer need to push around a heavy cart from room to room or always look for a socket to charge the battery. I love the lightweight battery and cableless design of Venus which makes the cart lighter and gives me the mobility to move effortlessly and work efficiently. I recommend the Venus series as a practical and useful medical computer for nurses and hospitals.

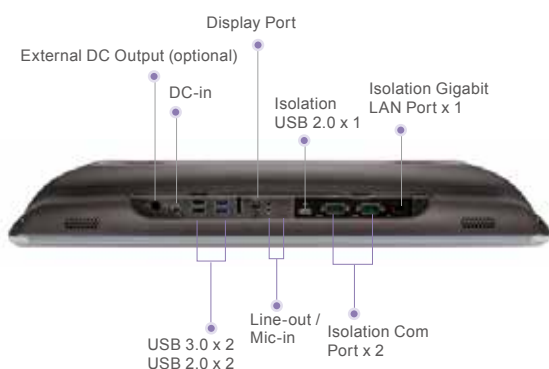
Hospital : Chiang Kai-shek Memory Hospital
 Nurse : Lucy Wu
 Location : Taiwan
 Benefit : * Extremely
 * No idle time, Better Efficiency
 * Perfect battery SW

Venus
 Mobile Cart Computer



Mobile Cart Computer Venus-222

22" 24/7 Self-Power Cart Computer



Features

- Intel® J1900 Quad-Core Processor
- Equipped Swappable Batteries x2, support 24hr run-time.
- ORION, Hospital IT Management Software Padeage
- Fully Cable-less, easy deployment
- Aluminum Alloy Rear Cover
- Reading light bar in front
- 22" Full HD high contrast LCD with LED backlight
- Water-Proof : IP65 Front Panel , Rear- IPX1
- 5 Programmable Smart Function Keys
- USB/COM/LAN Medical 4KV Isolation
- High Speed USB 3.0 Ports
- 2.0/5.0MP Pixels Camera (optional)
- 9/12/24V External Power Output (optional)

Specifications

Main Specifications

Processor	Intel® quad-core J1900 (2M Cache, up to 2.42 GHz)
System Memory	DDR3 up to 8GB
OS Support	Microsoft® Windows® 7 (32 bit / 64 bit) Microsoft® Windows® 8.1 (32 bit / 64 bit)
Storage Disk Driver	2.5 inch SATA2 SSD or HDD (optional)
Security	Trusted Platform Module, Smart Card Reader, RFID (optional)
Wireless Communication	Intel 802.11 a/b/g/n (optional), Bluetooth (optional)
Speaker	2W x 2
Camera	2.0/5.0MP Pixel (optional)
Function Key	Power On/Off, LCD Brightness Up, LCD Brightness Down, Touch Screen On/Off, Reading Light On/Off

Display

Size	22 inch VA
Resolution	1920 x 1080
Max. Colors	16.7M
View Angle	178°(H) / 178°(V)
Contrast Ratio	3000:1
Brightness	250nits
Touch Screen	5-Wire Resistive Touch Screen
Sensor	Light Sensor

I/O

USB	4KV Isolated USB 2.0 x 1 , USB 2.0 x 2, USB 3.0 x 4
COM	4KV Isolated RS-232 x2
Ethernet	4KV Isolated Gigabit LAN x 1
Video Out	Display Port x 1
Audio	Mic-in x 1, Audio-out x 1
External Power Output	9V/18W, 12V/24W, 24V/24W DC output (optional)

Battery Pack

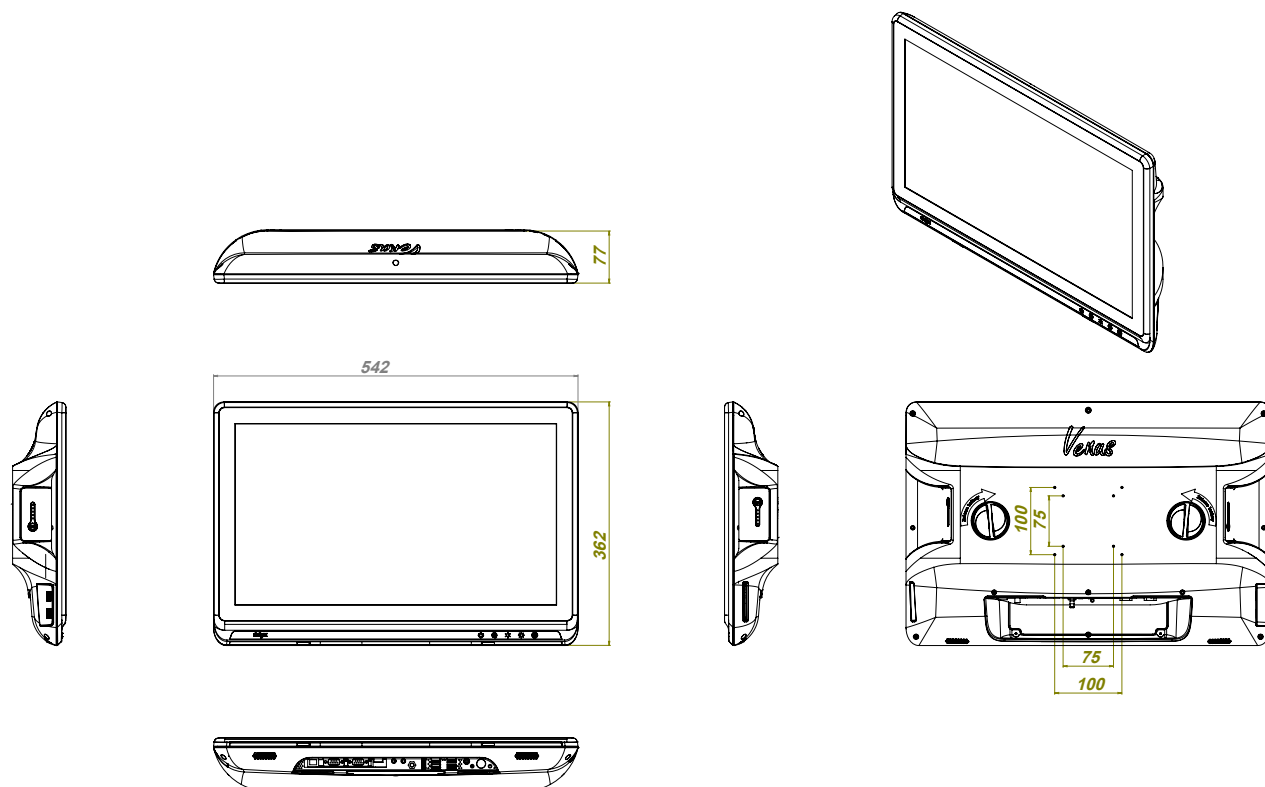
Battery Type	6 Cell Lithium Battery
Battery Capacity	5800 mAh
Battery Output Voltage	10.8V
Battery Charge Time	2 hrs for 85%, 3hrs for 100%
Battery Run time	6hrs *For more details, please see the user guide

Mechanical and Environmental

Power Consumption	32.5W (w/o IO and charger)
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95% @ 35°C, non-condensing
Degree of Protection	Front IP65, Rear IPX1
System Cooling	Fan-less
Net Weight	7.5kg (16.53lb)
Cross Weight	10.5kg (23.15lb)
Dimensions (W*D*H)	542 x 77 x 362 mm
Packing Size (W*D*H)	680 x 270 x 530 mm
EMC	CE/FCC Class B, UL-60601-1, EN-60601-1

22" 24/7 Self-Power Cart Computer

Dimension / Unit: mm



Ordering Information

» VENUS-222ET-A1-1010

Cart Computer. J1900. 22". Fanless. R-TS. 4GB RAM. SCR. TPM. Battery x 2

Optional Accessories

» OPM-P01T-02

2 Battery Kit. Li-ion 3S2P. 10.8V/5800mAh

» 1255301501

Medical Adaptor. 100-240V/1.0-2.5A 24V/6.25A 150W

» OPM-S02R-A0

RFID Reader Kit

» OPM-C09W-A0

WLAN dual band module kits. INTEL 802.11ac/a/b/g/n dual antenna

» OPM-C07W-A2

WLAN dual band module kits.
AzureWave 802.11a/b/g/n + BT 4.0

» OPM-P01C-03

6-Slot Power bank + Medical adaptor 24V/250W

» OPM-P02C-02

2-Slot Power bank + Medical adaptor 24V/150W

» OPM-H10A-00

VESA 75/100 Clamp type spring arm (Sliver)

» OPM-V01C-01

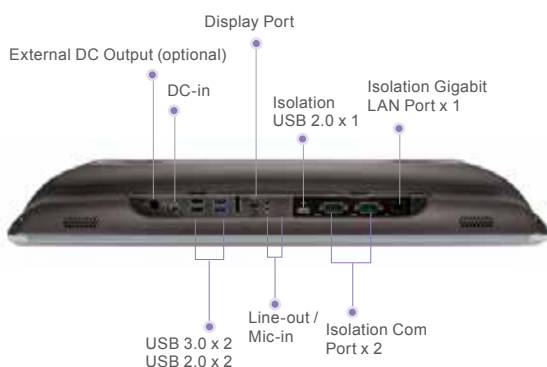
2MP Camera Kit

» OPM-V02C-01

5MP Camera Kit

Mobile Cart Computer Venus-192

19" 24/7 Self-Power Cart Computer



Features

- Intel® J1900 quad-core Processor
- Equipped Swappable Batteries x2, support 24hr run-time.
- ORION, Hospital IT Management Software Padeage
- Fully Cable-less, easy deployment
- Magnesium Alloy Rear Cover
- Reading light bar in front
- 19" 1280 x 1024 LCD with LED backlight
- Water-Proof : IP65 Front Panel , Rear- IPX1
- 5 Programmable Smart Function Keys
- USB/COM/LAN Medical 4KV Isolation
- High Speed USB 3.0 Ports
- 9/12/24V External Power Output (optional)

Specifications

Main Specifications

Processor	Intel® Celeron® quad-core J1900 (2M Cache, up to 2.42 GHz)
System Memory	DDR3 up to 8GB
OS Support	Microsoft® Windows 7 (32bit/64bit) Microsoft® Windows 8.1 (32bit/64bit)
Storage Disk Driver	2.5 inch SATAII SSD or HDD (optional)
Security	Trusted Platform Module, Smart Card Reader, RFID (optional)
Wireless Communication	WiFi 802.11 a/b/g/n (optional) Bluetooth (optional)
Speaker	2W x 2
Function Key	Power On/Off, LCD Brightness Up, LCD Brightness Down, Touch Screen On/Off, Reading Light On/Off

Display

Size	19 inch
Resolution	1280 x 1024
Max. Colors	16.7M
View Angle	170°(H) / 160°(V)
Contrast ratio	1000:1
Brightness	250 nits
Touch Screen	5-Wire Resistive Touch Screen
Sensor	Light Sensor

I/O

USB	4KV Isolated USB 2.0 x 1 , USB 2.0 x 2, USB 3.0 x 4
COM	4KV Isolated RS-232 x 2
Ethernet	4KV Isolated Gigabit LAN x 1
Video Out	Display Port x 1
Audio	Mic-in x 1, Audio-out x 1
External Power Output	9V/18W, 12V/24W, 24V/24W DC output (optional)

Battery Pack

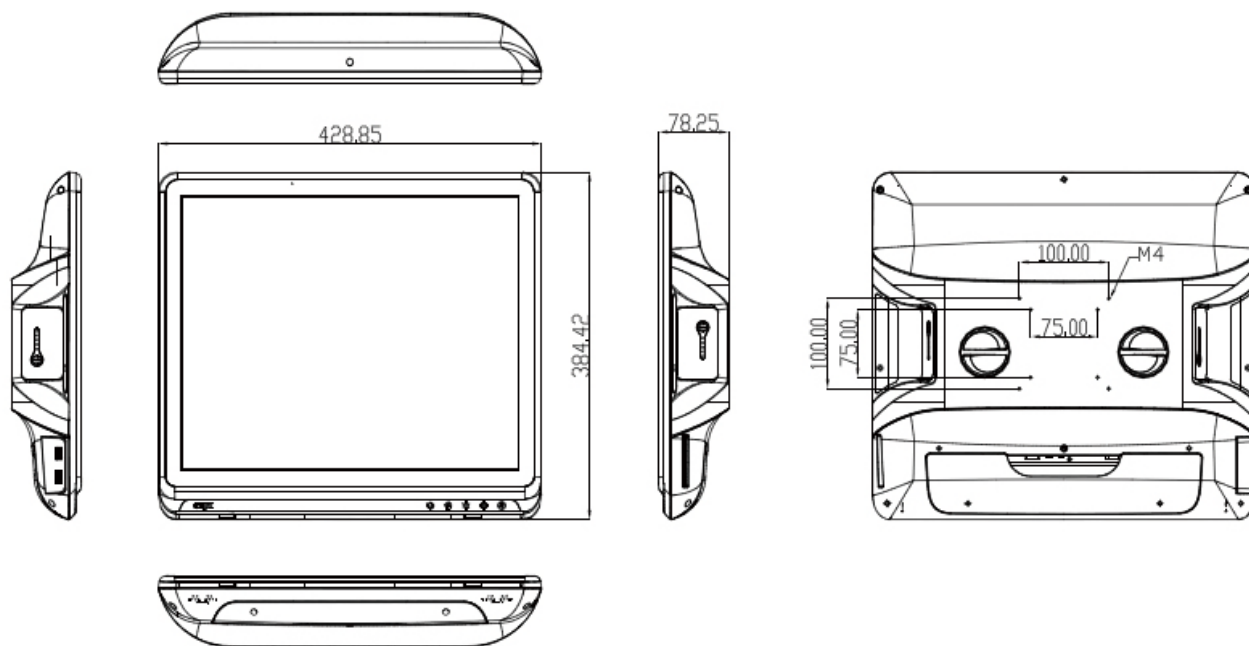
Battery Type	6 Cell Lithium Battery
Battery Capacity	5800 mAh
Battery Output Voltage	10.8V
Battery Charge Time	2 hrs for 85%, 3hrs for 100%
Battery Run time	6 hrs *For more details, please see the user guide

Mechanical and Environmental

Power Consumption	26.5W (w/o I/O and charger)
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95% @ 35°C, non-condensing
Degree of Protection	Front IP65, Rear IPX1
System Cooling	Fan-less
Net Weight	5.5kg (12.13lb)
Cross Weight	9kg (19.84lb)
Dimensions (W*D*H)	429 x 78 x 384 mm
Packing Size (W*D*H)	570 x 270 x 530 mm
EMC	CE/FCC Class B, UL-60601-1, EN-60601-1

19" 24/7 Self-Power Cart Computer

Dimension / Unit: mm



Ordering Information

» VENUS-192ET-A1-1010

Cart Computer. J1900. 19". Fanless. R-TS. 4GB RAM. SCR. TPM. Battery x 2

Optional Accessories

» OPM-P01T-02

2 Battery Kit. Li-ion 3S2P. 10.8V/5800mAh

» 1255301501

Medical Adaptor. 100-240V/1.0-2.5A 24V/6.25A 150W

» OPM-S02R-A0

RFID Reader Kit

» OPM-C09W-A1

WLAN dual band module kits. INTEL 802.11ac/a/b/g/n dual antenna

» OPM-C07W-A2

WLAN dual band module kits. AzureWave 802.11a/b/g/n + BT 4.0

» OPM-P01C-03

6-Slot Power bank + Medical adaptor 24V/250W

» OPM-P02C-02

2-Slot Power bank + Medical adaptor 24V/150W

» OPM-H10A-00

VESA 75/100 Clamp type spring arm (Sliver)

Mobile Cart Computer Accessory Selection

OPM-P01C

Power bank, 6 Slot battery Charger

OPM-P02C

Power bank, 2 Slot battery Charger



Features

- Capable of charging 2/6 batteries simultaneously.
- 2/6 Independent LED indicators, clearly reveal recharge status
- Hi-speed recharge and over charge protection

Specifications

Main Specification	2 Slot	6 Slot
Input Power	24V/150W	24V/250W
LED Indicator	Green light : Fully charge battery pack in charger Blue light : Battery pack is charging	
Battery Type	Lithium Battery	
Battery Charge Time	2 hrs for 85%, 3hrs for 100%	
Certification	CE, FCC	

Mechanical

Architecture	ABS+PC	
Color	White	
Packing Size	350(L) x 130(W) x 290(H) mm	410(L) x 110(W) x 290(H) mm
Weight	0.67kg (1.47 lb)	1.16kg (2.56 lb)
Cross Weight	2kg	3kg

Environmental

Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing

Ordering Information

» OPM-P01C-03

6-slot Power Bank. 24V/250W Medical adaptor

» OPM-P02C-02

2-slot Power Bank. 24V/150W Medical adaptor

OPM-P01T-01 U

2 Battery kit. Lithium-ion 3S2P battery pack. 10.8V/5800mAh



Features

- Support battery management system, remote monitor and auto alarm
- LED indicator, easily to check battery status
- Light weight, only 320g!!

Specifications

Battery Pack	3S2P / 6 Cell Lithium-ion battery
Typical Capacity	5800 mAh
Nominal Voltage	10.8 V
Power Consumption	62.64 Wh
Battery Run Time	6 hr
Life Cycle	1000 Cycle
Certification	UL,CE,IEC-60950-1,IEC-62133-1

Mechanical and Environmental

Color	White
Dimension	230(L)X150(w)x90(H) mm
Weight	320g/pcs
Cross Weight	0.9kg
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing

Ordering Information

» OPM-P01T-02

2-Battery kit. Lithium-ion 3S2P. 10.8V.5800mAh

Mobile Cart Computer Accessory Selection

Wireless keyboard

OPM-T005

IP68 wireless keyboard



Features

- No room for bacteria and infection traps
- Easy-to-clean surface
- With large touch pad.
- Completely sealed rubber IP68 rating
- Suitable for rinsing with cleaning and disinfection fluids. Impervious to typical hospital cleaning solution
- Bottom Build in VESA 75 Screw Nuts easy setup on bracket
- Build 3400mah Li-Polymer Battery: Stand by near 6 months after full charger

Ordering Information

- » OPM-T005-A5
Wireless IP68 Keyboard.USB.build-in battery
- » OPM-T005-A6
Wireless IP68 Keyboard.USB.build-in battery (French layout)
- » OPM-T005-A7
Wireless IP68 Keyboard.USB.build-in battery (German layout)

Wireless mouse

OPM-T014

IP65 wireless mouse



Features

- 2.4-GHz, New Low power RF technology, high processing speeds,
- Wireless Optical mouse is full sized and features a 5-button design for right & left clicking and scrolling up & down just like a conventional mouse.
- Easy-to-clean surface
- Suitable for rinsing with cleaning and disinfection fluids. Impervious to typical hospital cleaning solution
- Suitable for moist and dusty environments
- Completely sealed rubber IP65 rating

Ordering Information

- » OPM-T014-A1
Wireless IP65 optical Mouse

Ubiquitous Power Solution

The genius of the UPower system is in its unique, groundbreaking design. Upower gives you the capability of providing endless power with an innovative dual hot swappable battery architecture that ensures your device remains powered even while you are replacing a battery.

UPower Lite-22 include a voltage selection DC-output that allows users to select the desired voltage setting. Users can select from 12, 19, or 24 volts based on their additional power requirements.

UPower



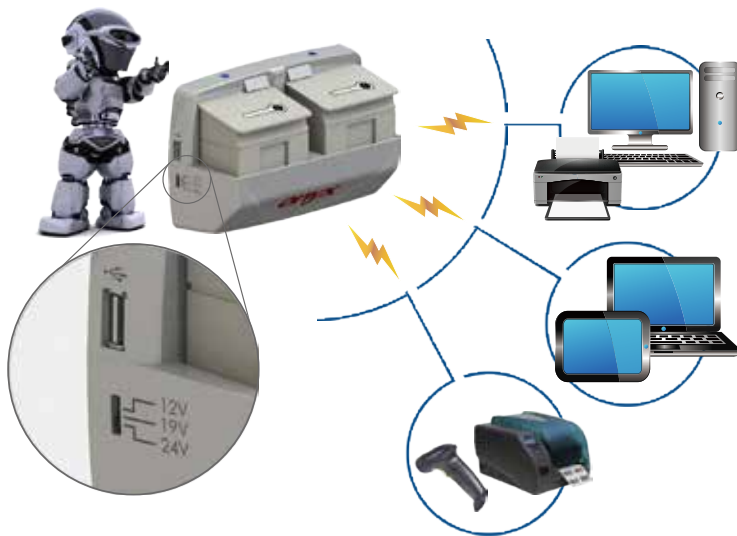
Key Features

- » » External DC output (2 slot only)
- » » Selected voltage (12V / 19V / 24V) (2 slot only)
- » » Non-stop, Dual hot swappable batteries architecture
- » » Software (ORION) remote monitor
- » » Capable of charging 2/6 batteries simultaneously.
- » » 2/6 Independent LED indicators, clearly reveal recharge status
- » » High-speed recharge and over charge protection

UPower

Dual Hot Swappable Batteries

Our UPower Lite22 give you the capability of providing endless power with its unique swappable battery architecture. You will never again be in danger of losing power when it is most critically needed.



User Selected Voltage

Since electronic devices operate with varying voltage requirements, we created a multi-voltage power bank that allows users to personally select the proper voltage setting. Users can select from 12, 19, or 24 volts based on their needs.

ORION Management

These “smart” power banks can be managed with our new ORION device management software solution that intelligently monitors the status of all the batteries connected to the system.



Vital Sign Application

Hospital intensive care units (ICU) specialize in providing intensive care for patients suffering from severe injuries and life-threatening illness. Patients in intensive care units must be monitored constantly not only by highly trained hospital staff, but also with specialized medical equipment to make sure they remain in stable condition while recovering from serious medical emergencies, or surgery.

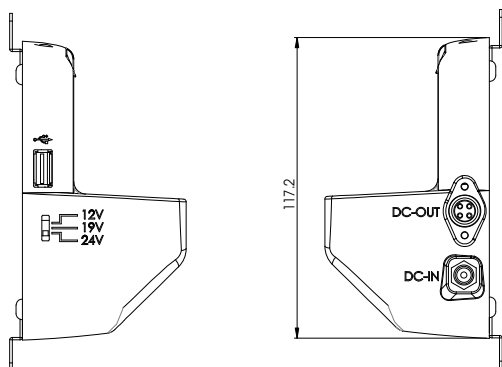
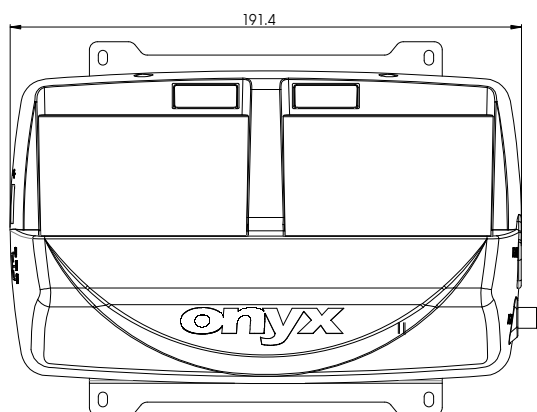
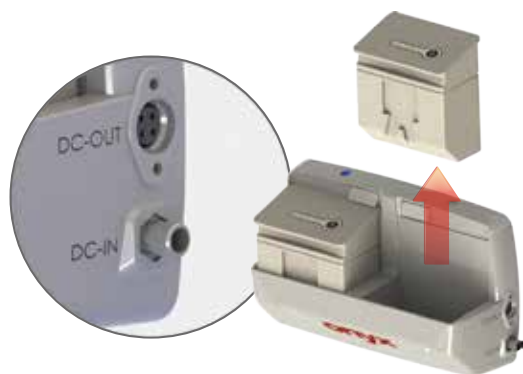
With UPower, battery powered medical devices will never again be in danger of losing power when it is most critically needed—and that's a thought that doctors, patients, and all ICU staff can find reassuring and comforting.



Ubiquitous Power Solution

UPower Lite-22

2 slot Power Bank with DC output



Features

- External DC output
- Selected voltage (12V / 19V / 24V)
- Non-stop, Dual hot swappable batteries architecture
- Software (ORION) remote monitor
- Capable of charging 2 batteries simultaneously.
- Support wall mount, fitting all nurse stations
- Support cart mount, provide extra power
- Support table stand type, exclusive mini size
- LED indicators, clearly reveal recharge status

Specifications

Main Specifications

Input Power	24V/150W
Battery Charge Time	2.5 hrs for 85%, 3.5 hrs for 100%
DC Output Power	12/19/24V 50W
Certification	CE, FCC

Mechanical and Environmental

Architecture	ABS + PC
Color	White
Dimension	191(L) x 64(W) x 117(H) mm
Net Weight	0.67kg (1.47 lbs)
Packing Size	350(L) x 130(W) x 290(H) mm
Cross Weight	2kg (4.41 lbs)
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing

Battery LED Indicator

Blue Lighting	Full Charge (AC mode)
Blue Flashing	Charging (AC mode)
Green Lighting	Capacity 40%~100% (Battery Mode)
Orange Lighting	Capacity 21%~39% (Battery Mode)
Purple Lighting	Capacity 0%~20% (Battery Mode)
Green-Purple Flashing	Charging error

Power Supply Specification

Input Voltage	100-240V AC @50-60 Hz
Output Power	24V / 6.25A, 150W max

Battery Pack (optional)

Battery Type	6 Cell Lithium-ion battery
Battery Capacity	5800 / 5700 mAh
Output Voltage	10.8V

Ordering Information

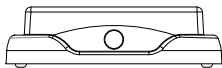
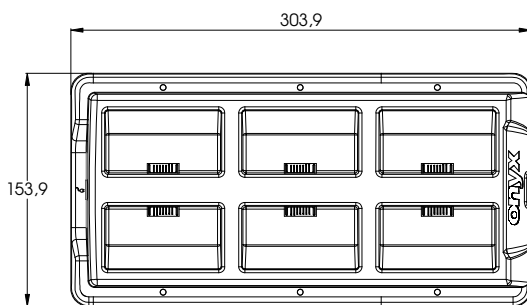
» UP-L22-A1-1010

2-slot Power Bank + 24V/150W adaptor. USB. 12/19/24V DC output

Ubiquitous Power Solution

UPower Lite-62

6 slot Power Bank



Features

- Software (ORION) remote monitor
- Capable of charging 6 batteries simultaneously
- 6 Independent LED indicators, clearly reveal recharge status
- High-speed recharge and over charge protection

Specifications

Main Specifications

Input Power	24V/250W
Battery Charge Time	2.5 hrs for 85%, 3.5 hrs for 100%
DC Output Power	N/A
Certification	CE, FCC

Mechanical and Environmental

Architecture	ABS + PC
Color	White
Dimension	304(L) x 154(W) x 41(H) mm
Net Weight	1.16kg (2.56 lbs)
Packing Size	410(L) x 110(W) x 290(H) mm
Cross Weight	3kg (6.61 lbs)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing

Battery LED Indicator

Blue Lighting	Full Charge (AC mode)
Blue Flashing	Charging (AC mode)
Green Lighting	N/A
Orange Lighting	N/A
Purple Lighting	N/A
Green-Purple Flashing	N/A

Power Supply Specification

Input Voltage	100-240V AC @50-60 Hz
Output Power	24V / 10.41A, 250W max

Battery Pack (optional)

Battery Type	6 Cell Lithium-ion battery
Battery Capacity	5800 / 5700 mAh
Output Voltage	10.8V

Ordering Information

» UP-L62-A1-1010

6-slot Power Bank + 24V/250W adaptor. USB.

Slim Fanless Medical Panel PC

The Slim Medical Panel PC is designed to meet the requirements and still be cost effective. It is running an Intel Atom processor, and it included all necessary input slots within its ultra slim chassis. The flexibility of slim fanless all in one medical panel PC is perfect for hospital applications such as mobile nursing station, wall-mount diagnosis panel, pharmacy automation and hospital administration automation.



Fanless Slim Panel PC Solution

- » » Green Operation
- » » Flexible Power Input
- » » High Speed Wireless Data Transmission
- » » Processing in Compact Size
- » » Small to large LCD Choices
- » » Quiet, Clean & Easy Maintenance



+ Small to Large LCD Choices

Slim Medical Panel PC offers four LCD sizes to fulfill the requirements of various hospital applications. 10.1" (Resolution:1280x800), 12"(Resolution:1366x768), 15.6"(Resolution:1366x768), 17"(Resolution:1280x1024), 19"(Resolution:1280x1024).



+ Quiet, Clean & Easy to Maintain

Slim Medical Panel PCs utilize a large fanless heatsink on the back cover to efficiently dissipate heat generated from the processor and chipset. The Fanless cooling design keeps the environment quiet, clean and lowers maintenance efforts.



+ Green & Compact Size for Operation

Less than 50W power consumption keeps Slim Medical Panel PC operating and extends the battery life of mobile medical carts. With narrow edge and monitor like chassis, it is easy and space friendly to users.



+ Wide Range Power Input for Different Carts

Slim Medical Panel PCs are designed to accept +9V to +30V DC power input. This wide range power input allows ease of operation with the battery source. It can integrate with Metro, Ergatron, ITD, Howard, and all major computer carts seamlessly.



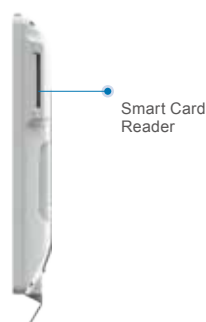
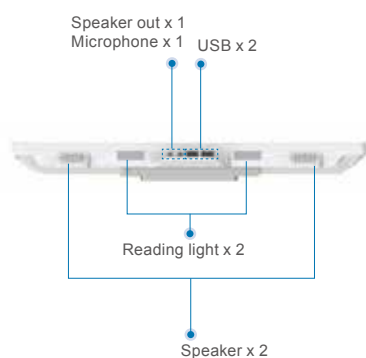
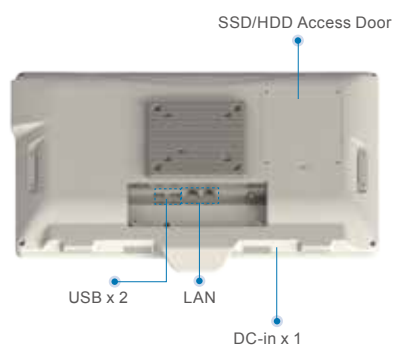
+ Dual Antennas with Best WLAN performance

With two antennas built into the Slim Medical Panel PCs, massive medical records and PACS images can be transferred through IEEE 802.11b/g/n wireless LAN up to 150Mbps/sec.



ONYX-BE182

18.5" Fanless J1900 Quad Core Slim Medical Panel PC



Features

- Intel® J1900 2.42GHz Quad Core Processor
- 18.5" Wide Color TFT LCD Touch Terminal
- PCT for supporting Multi-Touch
- Wire Remote-Control w/ Handset Function
- VOIP Phone, Webcam, High Quality Speaker, MSR, Smart Card Reader
- Reading Light
- Extension Feature: RFID, Barcode Scanner
- IP65 Water Proof in front
- EN 60601-1, UL 60601-1

Specifications

Main Specifications

Processor	Intel® Celeron J1900 Quad Core 2.42GHz
System Memory	Supports DDR3 SODIMM up to 8GB
Expansion Interface	Mini Card x 2
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1
Security	Trusted Platform Module, Smart Card Reader (optional), MSR (optional), RFID (optional)
Wireless communication	802.11b/g/n(optional), Bluetooth 4.0 (optional)
Speaker	1W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Power Requirement	DC 12~24V
OS Support	Windows 7, Window 8.1, Window 10, Linux

Display

Size	18.5" (16:9) Color TFT LCD
Resolution	1366 x 768
Max. Colors	16.7M
Luminance	300 nits
View Angle	170(H)/160(U)
Contrast Ratio	1000:1
MTBF	30,000 Hours
Touch Screen	Projected Capacitive Touch / 5-Wire Resistive Touch

I/O

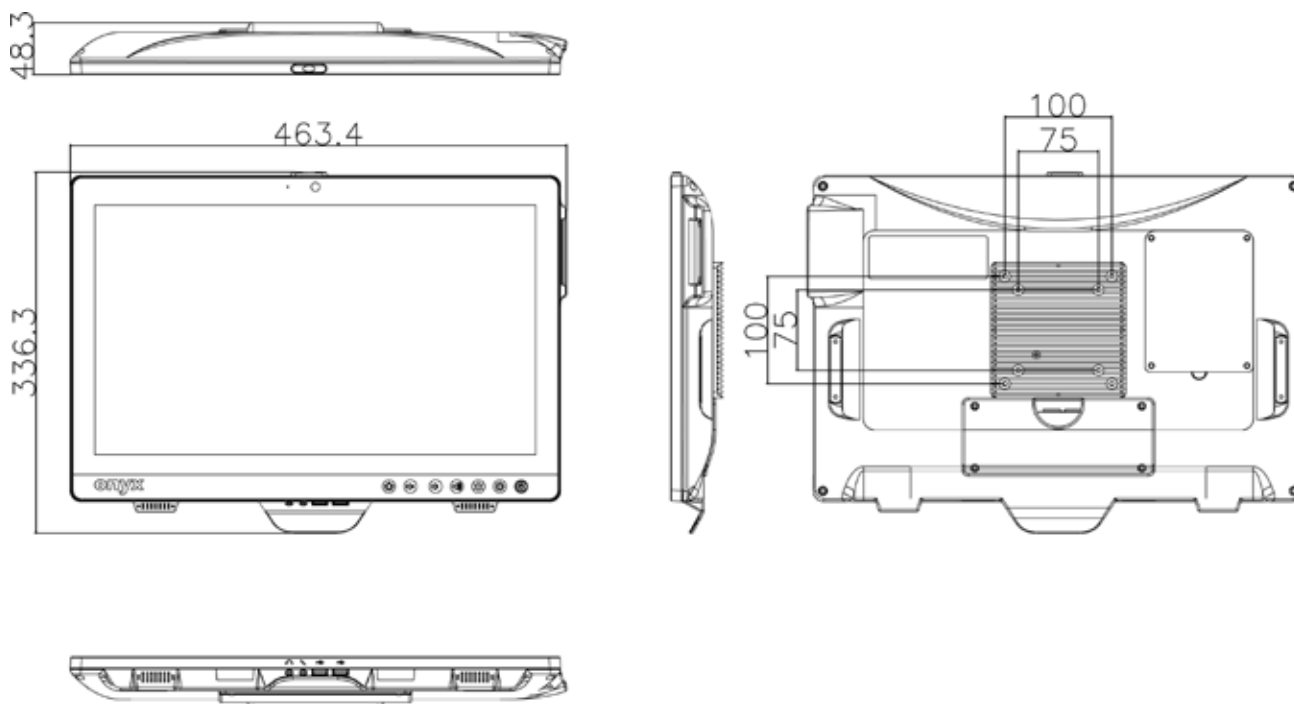
USB	USB2.0 x 4
Serial Port	Isolated RS-232 x 1
Ethernet	Isolated Gigabit LAN x 2
Audio	Mic-in, Line-out

Mechanical and Environmental

Infection Control	Anti-Bacteria (optional)
Power Requirement	DC 12V ~24V
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of protection	Front Panel: IP65; Whole Unit: IPX1
Net Weight	4.2 kg
Package Dimension (W x D x H)	721 x 224 x 464 mm
EMC	CE/ FCC Class B, UL60601-1, EN60601-1

18.5" Fanless J1900 Quad Core Slim Medical Panel PC

Dimension / Unit: mm



Ordering Information

» ONYX-BE182DT-A1-1010

18.5" Infotainment Terminal. Intel Quad-Core J1900. 2G RAM. Fanless. Resistive Touch. Reading Light. Webcam. Smart Card Reader

» ONYX-BE182DT-F1-1010

18.5" Infotainment Terminal. Intel Quad-Core J1900. 2G RAM. Fanless. Resistive Touch. Reading Light. Webcam. Smart Card Reader. RFID

» ONYX- BE182DT-A2-1010

18.5" Infotainment Terminal. Intel Quad-Core J1900. 2G RAM. Fanless. PCT Touch. Reading Light. Webcam. Smart Card Reader

» ONYX-BE182DT-F2-1010

18.5" Infotainment Terminal. Intel Quad-Core J1900. 2G RAM. Fanless. PCT Touch. Reading Light. Webcam. Smart Card Reader. RFID

Optional Accessories

» TF-PER-M97

70W Medical Grade 3rd Edition, 110/240VAC input, 24V Output, 1.8 meter cable length

» OPM-H04A

ARM, Wall Mount, VESA 75/100, 1~7kg

» OPM-T009-A1

Handset and Wire Remote Control

» OPM-T009-A2

Handset and Wire Remote Control + 2D Barcode Scanner

» OPM-C06W-A5

WLAN kit. 802.11 a/b/g/n + Bluetooth 4.0LE/ 3.0HS/ 2.1EDR for BE182

» OPM-S02C-A1

MSR for BE381

» TF-PER-M50

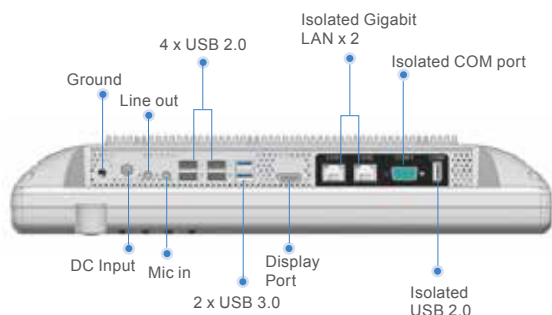
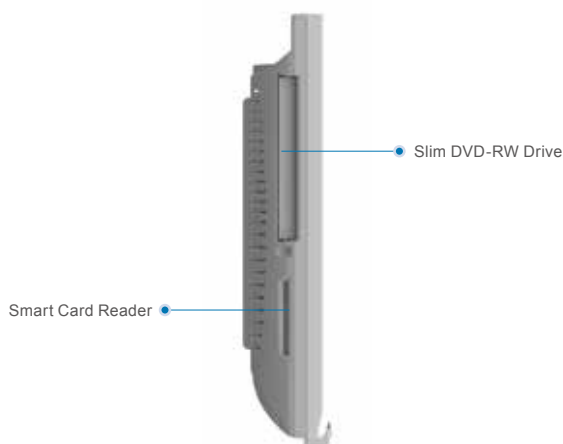
Bedside Wall Mount Long Arm, 1~6kg, VESA 75/100

» OPM-H13A-A1

Bedside Wall Mount Long Arm, 1~6kg, VESA 75/100

ONYX-1723

17" Fanless Core i3 Slim Medical Panel PC



Features

- Intel® Core™ i3-3217UE Dual Core 1.6GHz LV Processor
- Intel® QM77 Chipset
- Supports Dual Channel DDR3 SODIMM up to 16GB
- 17" SXGA LCD with LED Backlight
- 5-Wire Resistive Touch Screen
- Built-in Smart card Reader (Optional)
- Slim DVD-RW Drive (Optional)
- USB/COM/LAN Medical Isolation
- High Speed USB 3.0 Ports
- Mini Card x 2
- +12V to +24V Wide Range DC Input

Specifications

Main Specifications

Processor	Intel® Core i3-3217UE Dual Core 1.6GHz Intel® Celeron 847E Dual Core 1.1GHz
System Memory	Supports Dual Channel DDR3 SODIMM up to 16GB
Chipset	Intel® QM77
Expansion Interface	Mini Card x 2
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1 Slim DVD-RW Drive x 1(optional)
Security	Smart Card Reader x 1 (optional), Trusted Platform Module
Wireless Communication	802.11b/g/n(optional), Bluetooth 3.0HS & 4.0 (optional)
Speaker	3W x 2
Power Requirement	DC 12~24V

Display

Size / Type	17" TN LCD
Max. Resolution	1280 x 1024
Luminance(cd/m2)(TYP)	250 nits
Viewing Angle	170°(H)/160°(V)
Contrast Ratio	1000:1
Touch Screen	5-Wire Resistive

I/O

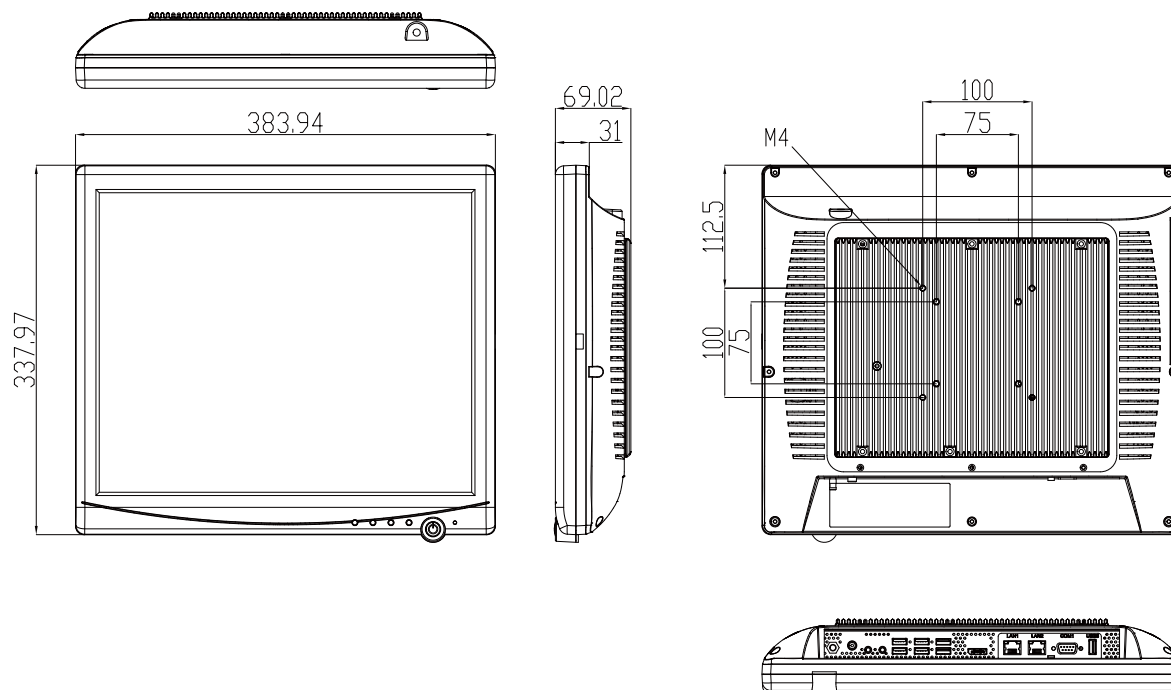
USB	Isolated USB 2.0 x 1, USB 2.0 x 4, USB 3.0 x 2
Serial Ports	Isolated RS-232 x 1
Ethernet	Isolated Gigabit LAN x 2
Video Out	Display Port x 1, Support resolution up to 2560 x 1600
Audio	Mic-in, Line-out

Mechanical and Environmental

Power Consumption	Full loading: 60 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	6kg (13.2lb)
Gross Weight	10kg (22.05lb)
Package Dimension (W x D x H)	630 x 250 x 640 mm
Certifications	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2NO.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

17" Fanless Core i3 Slim Medical Panel PC

Dimension / Unit: mm



Ordering Information

- » ONYX-1723DTT-A1-1010
Slim Medical Panel PC, 17" LCD, Intel i3-3217UE, 4GB RAM, DC 12~24V, Touch Screen
- » ONYX-1723DTT-A2-1010
Slim Medical Panel PC, 17" LCD, Intel Celeron 847E, 4GB RAM, DC 12~24V, Touch Screen

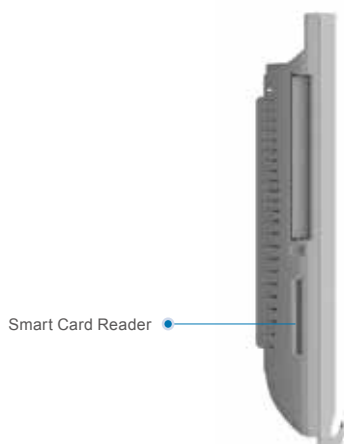
Optional Accessories

- | | |
|--|---|
| <ul style="list-style-type: none"> » 1757213000
Medical Power Adapter, 130W, 24V » OPM-T007-A1
Slim Slot-in DVD-RW Drive » OPM-T007-A2
Slim Tray-load DVD-RW Drive » OPM-T008-A1
Smart Card Reader Kit | <ul style="list-style-type: none"> » TF-OPM-H02S-A0/A1
Desktop Stand with VESA 75/100 » OPM-C06W-A0
Mini Card WLAN Kit, IEEE 802.11a/b/g/n » OPM-C09W-A5
WLAN Kit, IEEE 802.11ac/a/b/g/n + Bluetooth 4.0 |
|--|---|

Fanless Slim Panel HIT Solution

ONYX-1731

17" Fanless J1900 Quad Core Slim Medical Panel PC



Features

- Intel Celeron J1900 2.42GHz Quad Core Processor
- 17" High Brightness 350 nits SXGA LCD
- Supports DDR3L SODIMM up to 8GB
- 5-wire Resistive Touch Screen
- COM/LAN Medical Isolation
- Trusted Platform Module / Smart Card Reader(optional) / RFID (optional)
- 802.11ac/a/b/g/n Wireless LAN(optional)
- +12V to +24V wide range DC input

Specifications

Main Specifications

Processor	Intel® Celeron J1900 Quad Core 2.42GHz
System Memory	Supports DDR3L SODIMM up to 8GB
OS Support	Windows® XP, Windows® 7, Windows® 10, Linux®
Expansion Interface	Mini Card x 1
Storage Disk Drive	2.5" SATA HDD/SSD x1, mSATA SSD x 1
Security	Trusted Platform Module, Smart Card Reader(optional), RFID(optional)
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Wireless Communication	802.11ac/a/b/g/n(optional), Bluetooth 4.0(optional)
Speaker	3W x 2
Power Requirement	DC 12~24V

Display

Size	17" LCD
Resolution	1280 x 1024
Luminance	350 nits
View Angle	170°(H)/160°(V)
Contrast Ratio	1000:1
Back Light Life Time	> 30,000 hours
Touch Screen	5-wire Resistive

I/O

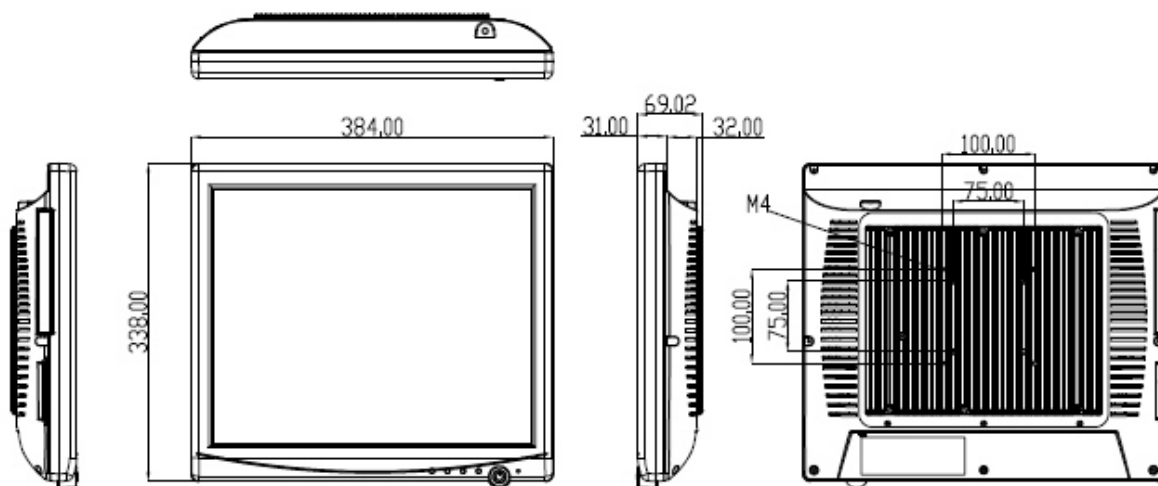
USB	USB 2.0 x 4
Serial Port	Isolated RS-232 x 1
Ethernet	Isolated Gigabit LAN x 2
Video Out	VGA x 1
Audio	Mic-in, Line-out

Mechanical and Environmental

Power Consumption	Full loading:40 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	5.6kg (12.32lb)
Package Dimension (W x D x H)	630 x 250 x 640 mm
Certifications	CE, FCC Class B Passed 18,cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2No.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

17" Fanless J1900 Quad Core Slim Medical Panel PC

Dimension / Unit: mm



Ordering Information

» **ONYX-1731ET-A1-1010**

Slim Medical Panel PC, 17" LCD, Intel Celeron J1900, 2GB RAM,
DC 12~24V, Resistive Touch

Optional Accessories

» **1757306038**

Medical Power Adapter, 60W, 12V

» **OPM-T008-A1**

Smart Card Reader Kit

» **OPM-C06W-A0**

WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0

» **OPM-C09W-A5**

WLAN Kit, IEEE 802.11ac/a/b/g/n + Bluetooth 4.0

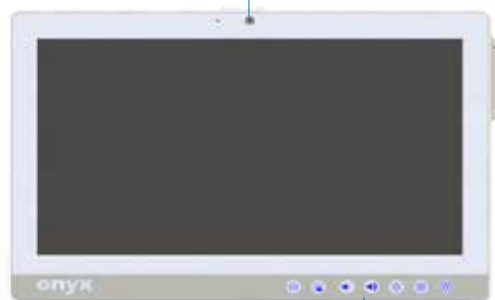
Fanless Slim Panel HIT Solution

ONYX-1531

15.6" Fanless J1900 Quad Core Slim Medical Panel PC



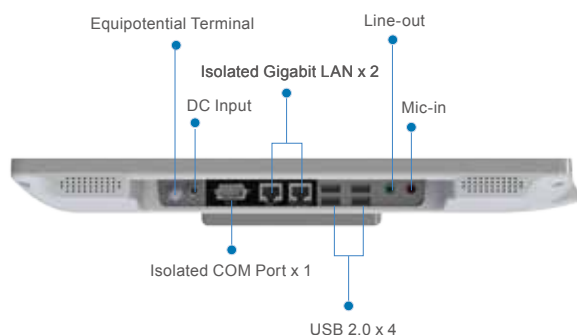
m w/ Mic (optional)



Function Keys



Smart Card Reader (optional)



Features

- Intel® Celeron J1900 2.42GHz Quad Core Processor
- 15.6" High Brightness 300-nit Full HD LCD
- Supports DDR3L SODIMM up to 8GB
- 5-wire Resistive Touch Screen / Capacitive Multi-Touch Screen
- Easy Cleaning Flat Screen
- 7 Programmable Smart Function Keys
- COM/LAN Medical Isolation
- 2.0M Pixels Camera (optional)
- Handset w/2D Barcode Scanner (optional)
- Trusted Platform Module / Smart Card Reader(optional) / MSR(optional) / RFID (optional)
- +12V to +24V wide range DC input

Specifications

Main Specifications

Processor	Intel® Celeron J1900 Quad Core 2.42GHz
System Memory	Supports DDR3L SODIMM up to 8GB
Expansion Interface	Mini Card x 1
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1, mSATA SSD x 1
Security	Trusted Platform Module, Smart Card Reader (optional), MSR (optional), RFID (optional)
Wireless Communication	802.11a/b/g/n(optional), Bluetooth 4.0 (optional)
Speaker	3W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Power Requirement	DC 12~24V
OS Support	Windows 7, Window 8.1, Linux

Display

Size / Type	15.6" LCD
Max. Resolution	1920 x 1080
Luminance(cd/m2)(TYP)	300 nits
Max. Colors	16.7 M
Viewing Angle	160°(H)/140°(V)
Contrast Ratio	700:1
Back Light Life Time	> 15,000 hours
Touch Screen	5-Wire Resistive / Capacitive Multi-Touch

I/O

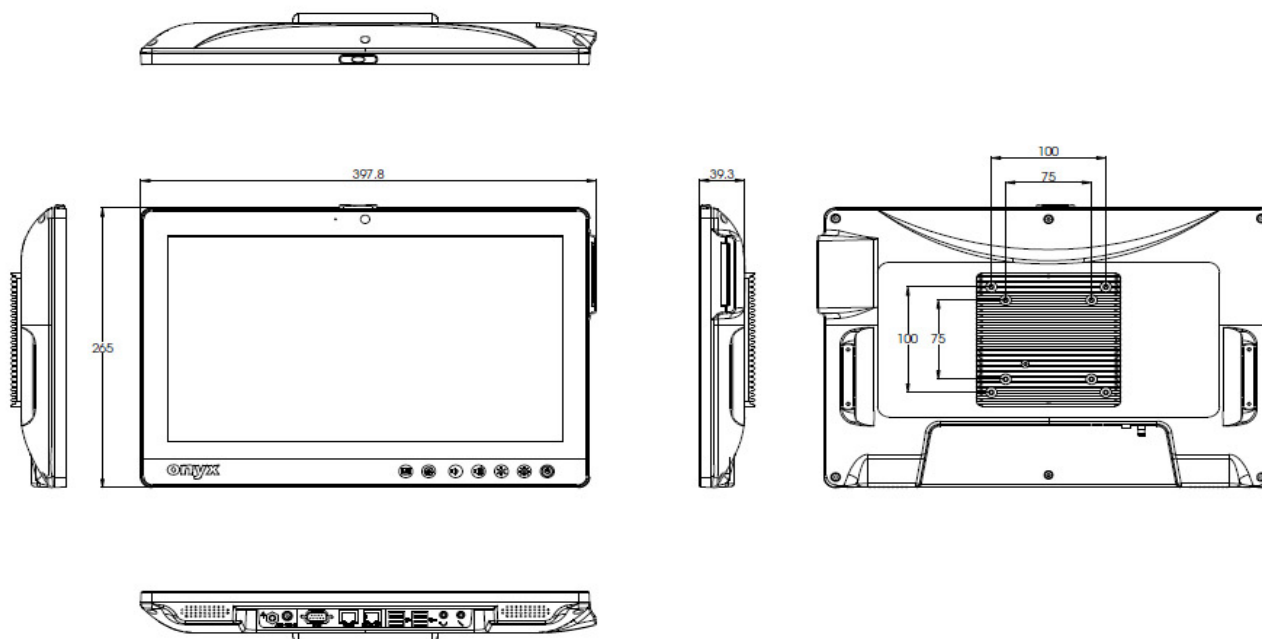
USB	USB 2.0 x 4
Serial Port	Isolated RS-232 x 1
Ethernet	Isolated Gigabit LAN x 2
Audio	Mic-in, Line-out

Mechanical and Environmental

Power Consumption	Full loading: 19 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	4.0 kg (8.82lb)
Gross Weight	6.5 kg (14.33lb)
Package Dimension (W x D x H)	721 x 224 x 464mm
Certifications	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971 (CAN/CSA-C22.2NO.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

15.6" Fanless J1900 Quad Core Slim Medical Panel PC

Dimension / Unit: mm



Ordering Information

» ONYX-1531ET-A1-1010

Slim Medical Panel PC, 15.6" LCD, Intel Celeron J1900, 2GB RAM, DC 12~24V, Resistive Touch

» ONYX-1531ST-A1-1010

Slim Medical Panel PC, 15.6" LCD, Intel Celeron J1900, 2GB RAM, DC 12~24V, Capacitive Touch

Optional Accessories

» 1757306038

Medical Power Adapter, 60W, 12V

» OPM-T008-A1

Smart Card Reader Kit

» OPM-S02C-A1

Magnetic Stripe Reader Kit

» OPM-S04R-A1

Smart Card Reader + RFID Reader Kit

» OPM-T011-A1

2M Pixels Camera with Mic Kit

» OPM-T009-A1

Handset Kit

» OPM-T009-A2

Handset & 2D Barcode Scanner Kit

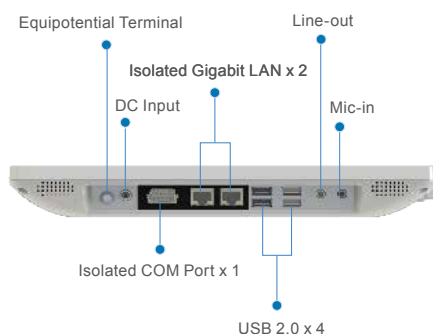
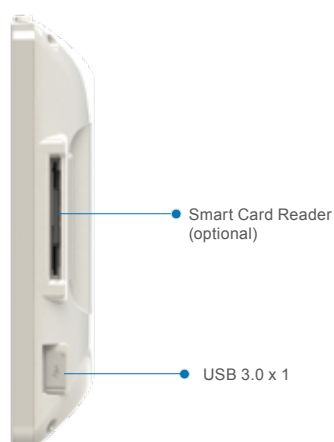
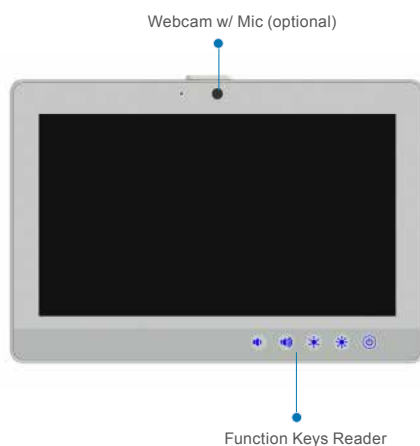
» OPM-C06W-A5

WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0L E/ 3.0HS / 2.1 EDR

Fanless Slim Panel HIT Solution

ONYX-1222

11.6" Fanless J1900 Quad Core Slim Medical Panel PC



Features

- Intel® Celeron J1900 2.42GHz Quad Core Processor
- 11.6" High Brightness 400-nit WXGA LCD
- Supports DDR3 SODIMM up to 8GB
- 5-wire Resistive Touch Screen / Capacitive Multi-Touch Screen
- Easy Cleaning Flat Screen
- 5 Programmable Smart Function Keys
- COM/LAN Medical Isolation
- High Speed USB 3.0 Port
- 2.0M Pixels Camera (optional)
- Handset w/2D Barcode Scanner (optional)
- Trusted Platform Module / Smart Card Reader(optional) / MSR(optional) / RFID (optional)
- +12V to +24V wide range DC input / Power over Ethernet
- IP54 Waterproof

Specifications

Main Specifications

Processor	Intel® Celeron J1900 Quad Core 2.42GHz
System Memory	Supports DDR3 SODIMM up to 8GB
Expansion Interface	Mini Card x 2
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1
Security	Trusted Platform Module, Smart Card Reader (optional), MSR (optional), RFID (optional)
Wireless Communication	802.11a/b/g/n(optional), Bluetooth 4.0 (optional)
Speaker	1W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Power Requirement	DC 12~24V / Power over Ethernet
OS Support	Windows 7, Window 8.1, Window 10, Linux

Display

Size / Type	11.6" LCD
Max. Resolution	1366 x 768
Luminance(cd/m2)(TYP)	400 nits
Max. Colors	16.7 M
Viewing Angle	170°(H)/170°(V)
Contrast Ratio	800:1
Back Light Life Time	> 15,000 hours
Touch Screen	5-Wire Resistive / Capacitive Multi-Touch

I/O

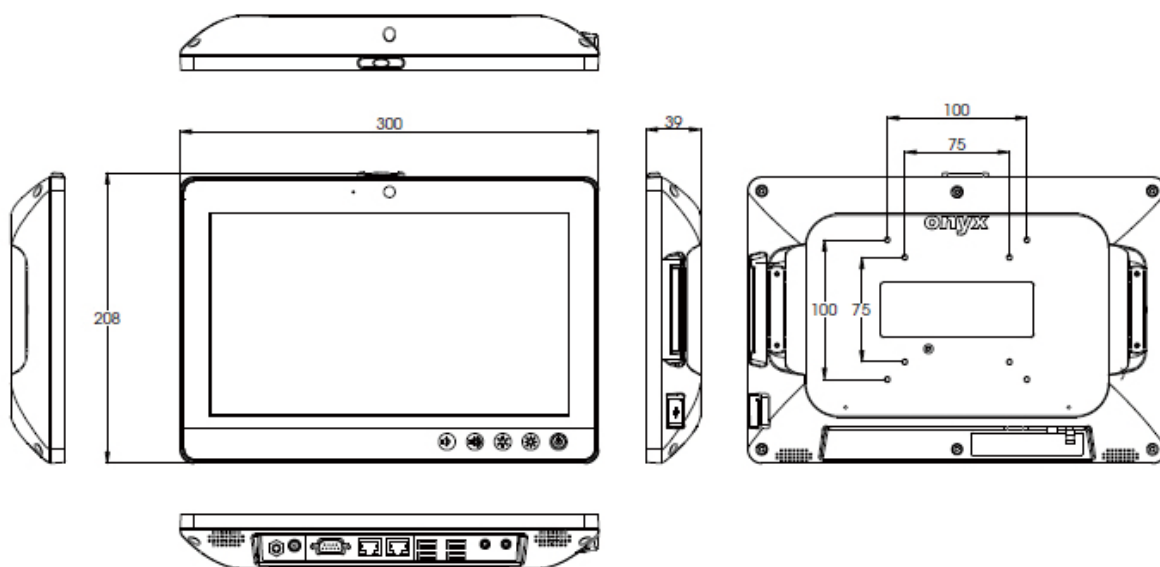
USB	USB 2.0 x 4, USB 3.0 x 1 (in side I/O)
Serial Port	Isolated RS-232 x 1
Ethernet	Isolated Gigabit LAN x 2
Audio	Mic-in, Line-out

Mechanical and Environmental

Power Consumption	Full loading: 22 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	1.5kg (3.3lb)
Gross Weight	4kg (8.82lb)
Package Dimension (W x D x H)	540 x 230 x 370 mm
Certifications	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971 (CAN/CSA-C22.2NO6.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

11.6" Fanless J1900 Quad Core Slim Medical Panel PC

Dimension / Unit: mm



Ordering Information

» ONYX-1222ET-A1-1010

Slim Medical Panel PC, 11.6" LCD, Intel Celeron J1900, 2GB RAM, DC 12~24V, Resistive Touch

» ONYX-1222ST-A1-1010

Slim Medical Panel PC, 11.6" LCD, Intel Celeron J1900, 2GB RAM, DC 12~24V, Resistive Touch, Capacitive Touch

Optional Accessories

» 1757306038

Medical Power Adapter, 60W, 12V

» OPM-T010-A1

Smart Card Reader Kit

» OPM-S02C-A2

Magnetic Stripe Reader Kit

» OPM-S03R-A1

RFID/NFC Reader Kit.ISO 14443A/B.15693.18092

» OPM-T011-A1

2M Pixels Camera with Mic Kit

» OPM-T009-A3

Handset Kit

» OPM-T009-A4

Handset & 2D Barcode Scanner Kit

» OPM-C06W-A4

WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0LE/ 3.0HS / 2.1 EDR

» OPM-C09W-A3

WLAN Kit, IEEE 802.11ac/a/b/g/n + Bluetooth 4.0LE/ 3.0HS / 2.1 EDR

» OPM-P30D-A10

Power over Ethernet kit

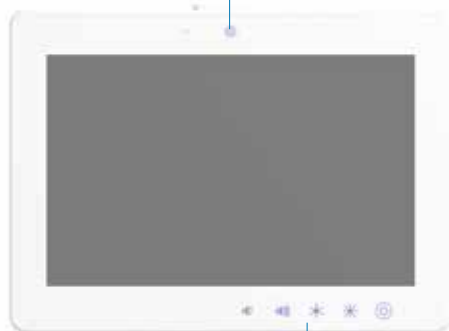
Fanless Slim Panel HIT Solution

ONYX-1022

10.1" Fanless J1900 Quad Core Slim Medical Panel PC



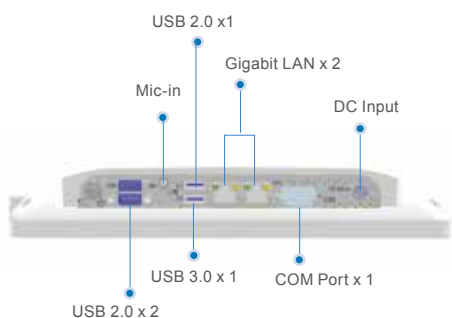
Webcam w/ Mic (optional)



Function Keys



Smart Card Reader (optional)



Features

- Intel® Celeron J1900 2.42GHz Quad Core Processor
- 10.1" 1280x800 LCD
- Supports DDR3L SODIMM up to 8GB
- Capacitive Multi-Touch Screen/ 5-Wire Resistive Touch Screen
- Easy Cleaning Flat Screen
- Two Gigabit Ethernet
- One High Speed USB 3.0 Port
- Trusted Platform Module / Smart Card Reader(optional) / RFID (optional)
- 2.0M Pixels Camera with Mic(optional)
- +12V DC input

Specifications

Main Specifications

Processor	Intel® Celeron J1900 Quad Core 2.42GHz
System Memory	Supports DDR3 SODIMM up to 8GB
Expansion Interface	Mini Card x 1
Storage Disk Drive	Half Size mSATA SSD x 1
Security	Trusted Platform Module, Smart Card Reader(optional), RFID(optional)
Wireless Communication	802.11ac/a/b/g/n(optional), Bluetooth 4.0(optional)
Speaker	2W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Power Requirement	DC 12V
OS Support	Windows 7, Windows 8.1, Windows 10, Linux

Display

Size / Type	10.1" LCD
Max. Resolution	1280 x 1080
Luminance(cd/m2)(TYP)	300 nits
Viewing Angle	170°(H)/170°(V)
Contrast Ratio	1300:1
Back Light Life Time	25,000 hours
Touch Screen	Capacitive Multi-Touch/ 5-Wire Resistive Touch

I/O

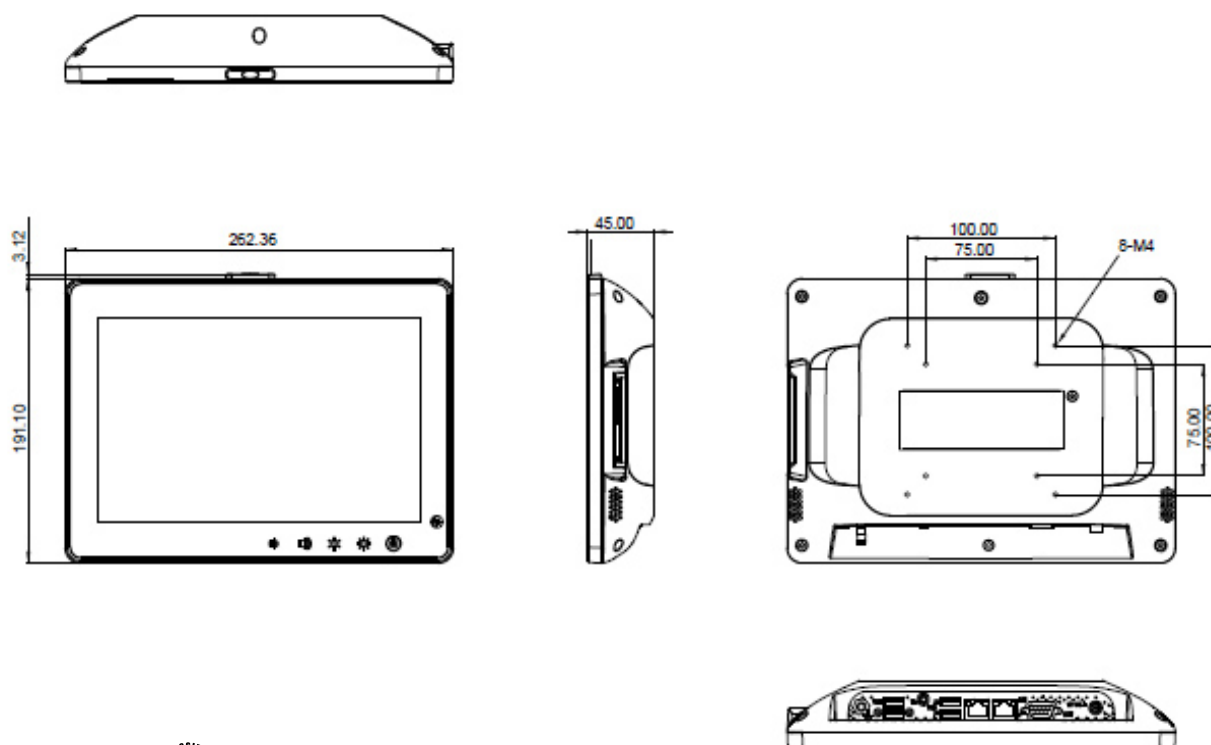
USB	USB 3.0 x 1, USB 2.0 x 3
Serial Port	RS-232 x 1
Ethernet	Gigabit LAN x 2

Mechanical and Environmental

Power Consumption	Full loading: 20 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	TBD
Gross Weight	TBD
Package Dimension (W x D x H)	TBD
Certifications	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2No.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

10.1" Fanless J1900 Quad Core Slim Medical Panel PC

Dimension / Unit: mm



Ordering Information

» ONYX-1022ST-A1-1010

Slim Medical Panel PC, 10.1" 1280x800 LCD, Intel Celeron J1900, 2GB RAM, DC 12V, Capacitive Touch

» ONYX-1022ET-A1-1010

Slim Medical Panel PC, 10.1" 1280x800 LCD, Intel Celeron J1900, 2GB RAM, DC 12V, Capacitive Touch, Resistive Touch

Optional Accessories

» 1757306038

Medical Power Adapter, 60W, 12V

» OPM-C06W-A4

WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0

» OPM-T010-A2

Smart Card Reader Kit

» OPM-T011-A2

2M Pixels Camera with Mic Kit

Panel PC Accessory Selection

OPM-H02S

Desktop Stand



Features

- » Apply to 12"~22" Slim Medical Panel PC, Medical Display.
- » Spinning around high and mighty; able to bear 5kg to 12kg.
- » Providing 2 mounting space in coordination with VESA standard: 75mm x 75mm and 100mm x100mm

Ordering Information

- » TF-OPM-H02S-A0
Desktop Stand, Black Color, VESA 75/100, 230mm Height
- » TF-OPM-H02S-A1
Desktop Stand, Black Color, VESA 75/100, 280mm Height

OPM-H01S

Desktop Stand



Features

- » Apply to 15" ~ 24" Medical Station, Slim Medical Panel PC, Medical Display.
- » Spinning around high and mighty; able to bear 5 kg to 15kg.
- » Providing 2 mounting space in coordination with VESA standard:75mm x 75mm and 100mm x100mm
- » The angle of view was designed adjustable for clear vision.
- » Flexible angle create brand-new atmosphere of monitors.
- » Up-to-date choice in the multimedia era.
- » Show yourself and break the limit of environment.
- » Regulate as you want to make more space.

Ordering Information

- » TF-OPM-H01S
Desktop Stand, Black Color, VESA 75/100, 265mm to 330mm Height

Panel PC Accessory Selection

OPM-H10A

Gas Spring Arm



Features

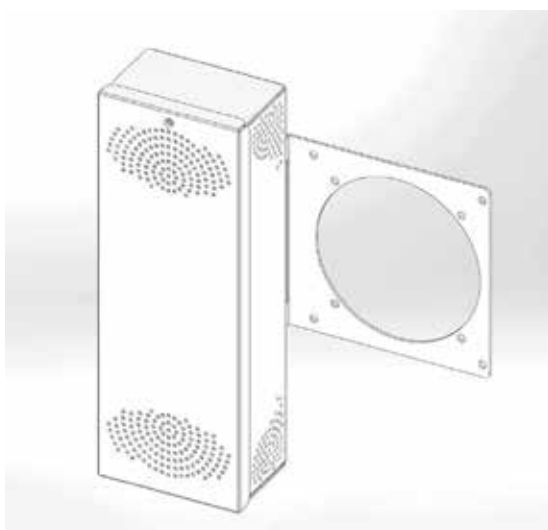
- » Clamp type can fit all kind of mobile car.
- » Weight capacity : 2~8KG (4.4~17.6lb)
- » Clockwise / counterclockwise rotation

Ordering Information

- » OPM-H10A-00
VESA 75/100 Clamp type spring arm (Silver)

OPM-H12A-A1

VESA Mount Power Adapter Holder



Features

- » Design for 1757213000 with 130W and PER-M96 with 70W
- » Apply to 15" to 24" Medical Station, Slim Medical Panel PC
- » Providing 2 mounting spaces in coordination with VESA standard: 75mm x 75mm and 100mm x 100mm

Ordering Information

- » OPM-H12A-A1
VESA mount power adapter holder for 1757213000 and PER-M96

Smart View Medical Station

Zeus is the symbol of strength and power, and so does our Medical Station Zeus. It was designed to fulfill surgical high spec requirements such as OR, ICU, ER and Reading Room. Zeus's isolated ports are extremely important as they will connect to devices that are directly connected to the patient. Onyx has spent two years developing the new Zeus Series, the Smart View Medical Station, and it gives doctors crystal clear imaging when viewing PAC, ENDO, or just EMR. Other than surgical suite, Zeus all in one high performance spec will also benefit in ambulatory care, telemedicine, and administration.



Smart View Design with Worldwide Patents

- » » 24"/22"/19" Medical Grade MVA panel. Compared to a normal monitor or industrial LCD, Zeus has rich color content and high contrast ratio. extremely vivid.
- » » Multi-touch PCT screen. It guarantees double OR gloves usage, 10 billion click life and up to 95% transparency rate. Zeus enhance the screen performance over 15%.
- » » Flat and edgeless ID design give doctors the best-in-market user interaction experience. White color bezel makes cleaning very easy.
- » » Patented smart multi function OSD keys covers up to 10 features for RFID, Reading light, display mode, speaker volume, LCD brightness, etc. Zeus can also offer customization.

1st Intel® Quad Core i7 Platform for Critical Applications

Zeus Series offer ultra high performance Intel® Core i7 LV Dual Core Fanless Smart View Medical Station.



Super 3.0 for USB, SATA and PCI-e

Still looking for a faster solution to upload or download medical records?! Zeus comes with latest high speed I/O design (USB3.0, SATA3.0, PCI-E3.0). Super 3.0 gives ten times data rate than before.



DICOM Compliance Display

Zeus supports DICOM Part 14: Grayscale Standard Display Function to display accurate radiology PACS images such as ultrasound, endoscope, CT and MRI images. Users can switch the system from HIS, EMR to PACS or Endo with ease.



MIS with Remote Control Power

Onyx's cooperation with Intel allows Zeus to carry iAMT technology. The MIS manager can handle hundreds, even thousands of Zeus stations from the central room in real time. Hospital IT departments can save huge amounts of time and money on routine maintenance.



Triple Isolation Protection to Patient

Medical isolation rating is 4kV rms (IEC 60601-1), which is crucial to protect patients, operators and medical equipment from harmful surges or spikes in the electrical signal. Zeus offers COM port, USB port and Ethernet Port isolation. We set the highest standard for patient and medical uses.



Backup Battery for Uninterruptible Power Supply

Optional built-in battery provides backup power supply for at least 10 minutes to prevent the system from unexpected power disruption.



Full SDK for Enhanced Functions Development

ONYX offers "Access Manager", "Power Monitor", "Control Kit", "Security Watcher" to let system integrators to quickly and efficiently create enhanced and customized environment.

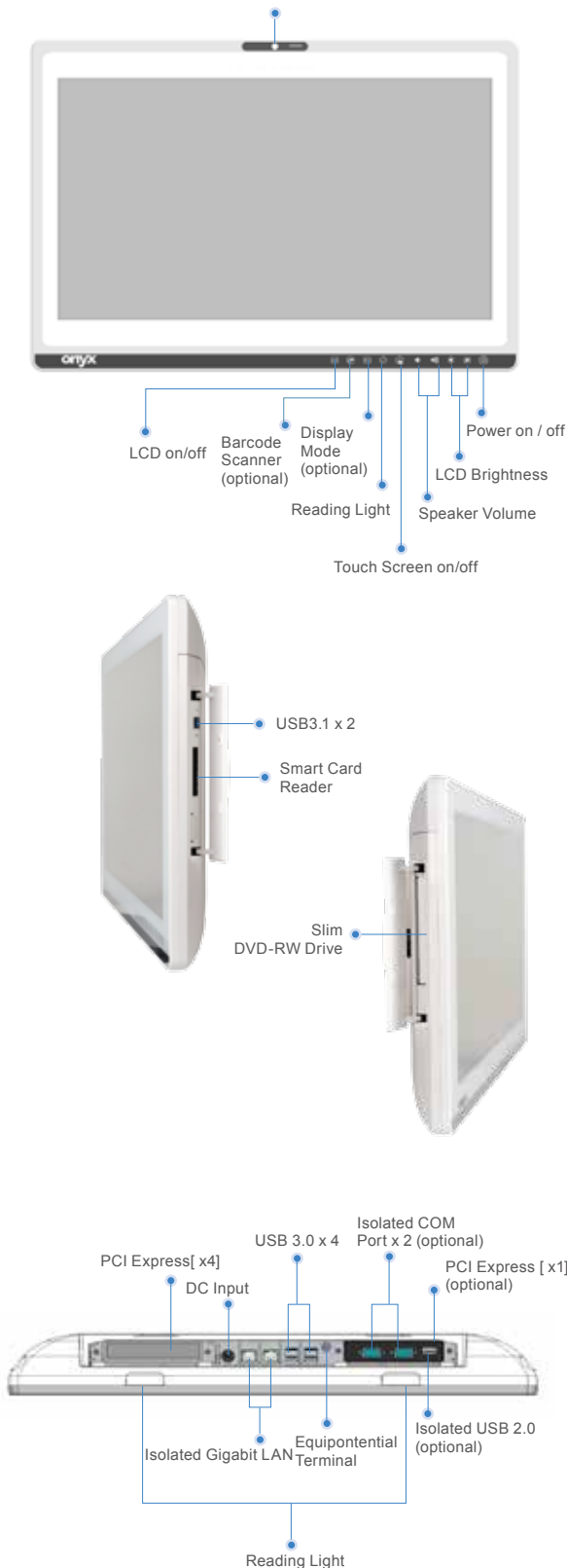


ZEUS-248

24" Fanless Smart View 6th Generation Core i7 Multi-Touch Medical Station



2.0M Pixels Camera (optional)



Features

- Intel® 6th Generation Core i7-6600U 3.4GHz Dual Core Processor
- 24" 250-nit Full HD High Contrast MVA LCD
- Supports DDR4 SODIMM up to 32GB
- Capacitive Multi-Touch Screen / 5 Wire Resistive Touch Screen
- Easy Cleaning Flat Screen
- 10 Programmable Smart Function Keys with Dual Colors LED Status Indication
- LAN/USB(optional)/COM(optional) Medical Isolation
- Super Speed 10Gb/s USB 3.1 Port
- PCI Express[x4] x 1, PCI Express[x1] x 1(optional)
- Trusted Platform Module / Smart Card Reader(optional) / RFID(optional)
- Remote Management: Intel Active Management Technology
- +12V to +24V wide range DC input
- 22Wh Backup Battery(optional)

Specifications

Main Specifications

Processor	Intel® 6th Generation Core i7-6600U 3.4GHz Dual Core
System Memory	DDR4 SODIMM up to 32GB
Expansion	PCI Express[x4] x 1, PCI Express[x1] x 1(optional)
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1 Slim DVD-RW Drive x 1(optional) M.2 SSD x 1
Security	Trusted Platform Module, Smart Card reader(optional), RFID(optional)
Wireless Communication	802.11a/b/g/n/ac(optional), Bluetooth 4.0 (optional)
Speaker	5W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down, LCD On/Off, Touch Screen On/Off, Display Mode(optional), Reading Light On/Off
Power Requirement	DC 12~24V, 22Wh Back Up Battery(optional)
OS Support	Windows® 7, Windows® 8.1, Windows® 10, Linux®

Display

Size	24" LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178°(H)/178°(V)
Contrast Ratio	3000:1
Back Light Life Time	30,000 Hours
Touch Screen	Capacitive Multi-Touch/5-Wire Resistive

I/O

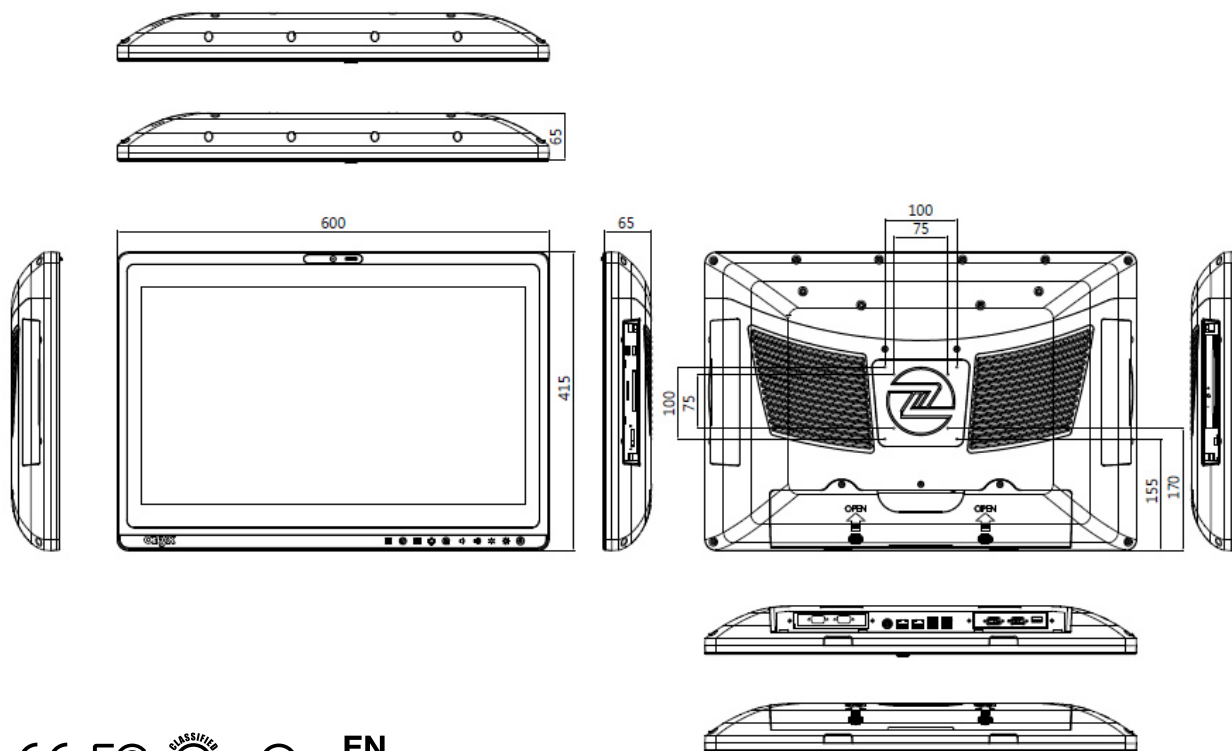
USB	USB 3.0 x 4, USB 3.1 x 2(in side I/O), Isolated USB 2.0 x1(optional)
Serial Port	Isolated RS-232 x 2(optional)
Ethernet	Isolated Gigabit LAN x 2
Audio	Mic(optional)/ Line out(optional)
Video Out	Display Port x 2(optional)

Mechanical and Environmental

Power Consumption	Full Loading: 60 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	9.2kg (20.28lb)
Package Dimension (W x D x H)	790 x 220 x 550mm
Certifications	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2NO.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

24" Fanless Smart View 6th Generation Core i7 Multi-Touch Medical Station

Dimension / Unit: mm



Ordering Information

- | | |
|--|---|
| » ZEUS-248ST-A1-1010
Medical Station.i7-6600U.4GB RAM.24" LCD.12~24V.Capacitive Touch | » ZEUS-248ET-A1-1010
Medical Station.i7-6600U.4GB RAM.24" LCD.12~24V.Resistive Touch |
| » ZEUS-248ST-A2-1010
Medical Station.i5-6300U.4GB RAM.24" LCD.12~24V.Capacitive Touch | » ZEUS-248ET-A2-1010
Medical Station.i5-6300U.4GB RAM.24" LCD.12~24V.Resistive Touch |
| » ZEUS-248ST-A3-1010
Medical Station.i3-6100U.4GB RAM.24" LCD.12~24V.Capacitive Touch | » ZEUS-248ET-A3-1010
Medical Station.i3-6100U.4GB RAM.24" LCD.12~24V.Resistive Touch |

Optional Accessories

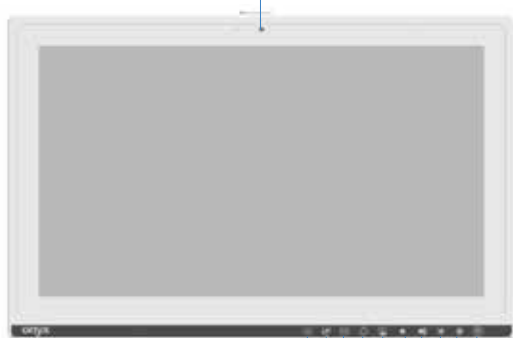
- | | |
|--|--|
| » 1255301202
Medical Power Adapter, 120W, 24V | » OPM-C02C-A2
Two Isolated RS-232 PCIe Card |
| » OPM-C06W-A6
Mini Card WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0 | » OPM-C02C-A3
One Isolated USB 2.0 + Two Isolated R-232 PCIe Card |
| » OPM-C09W-A6
Mini Card WLAN Kit, IEEE 802.11ac/a/b/g/n + Bluetooth 4.0 | » OPM-S01R-A2
RFID Reader |
| » OPM-T003-A3
Slim Slot-in DVD-RW Drive | » OPM-S01B-A2
2D Barcode Scanner |
| » OPM-T006-A1
Smart Card Reader Kit | » OPM-S01O-A2
RFID Reader & 2D Barcode Scanner |
| » OPM-P03C-A1
22Wh Backup Battery | |

ZEUS-228

22" Fanless Smart View 6th Generation Core i7 Multi-Touch Medical Station



2.0M Pixels Camera (optional)

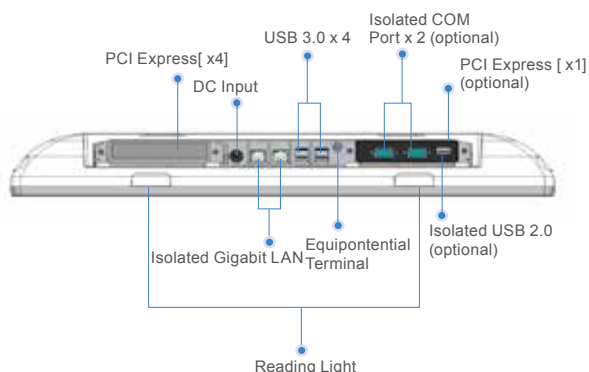


LCD on/off
Barcode Scanner (optional)
Display Mode (optional)
Reading Light
LCD Brightness
Speaker Volume
Touch Screen on/off



USB 3.1 x 2
Smart Card Reader

Slim DVD-RW Drive



PCI Express [x4]
DC Input
USB 3.0 x 4
Isolated COM Port x 2 (optional)
PCI Express [x1] (optional)
Isolated Gigabit LAN
Equipontential Terminal
Isolated USB 2.0 (optional)
Reading Light

Features

- Intel® 6th Generation Core™ i7-6600U 3.4GHz Dual Core Processor
- 22" 250nits Full HD High Contrast MVA LCD
- Support DDR4 SODIMM up to 32GB
- Capacitive Multi-Touch Screen / 5 Wire Resistive Touch Screen
- Easy Cleaning Flat Screen
- 10 Programmable Smart Function Keys with Dual Colors LED Status Indication
- LAN /USB (optional)/COM(optional) Medical Isolation
- Super Speed 10Gb/s USB 3.1 Port
- PCI Express[x4] x 1, PCI Express[x1]x 1(optional)
- Trusted Platform Module/Smart Card Reader(optional)/RFID(optional)
- Remote Management : Inte Active management Technology
- +12V to +24V Wide Range DC Input
- 22Wh Backup Battery (optional)

Specifications

Main Specifications

Processor	Intel® 6th Generation Core i7-6600U 3.4GHz Dual Core
System Memory	DDR4 SODIMM up to 32GB
Expansion	PCI Express[x4] x 1, PCI Express[x1] x 1(optional)
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1 Slim DVD-RW Drive x 1(optional) M.2 SSD x 1
Security	Trusted Platform Module, Smart Card reader(optional), RFID(optional)
Wireless Communication	802.11a/b/g/n/ac(optional), Bluetooth 4.0 (optional)
Speaker	5W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down, LCD On/Off, Touch Screen On/Off, Display Mode(optional), Reading Light On/Off
Power Requirement	DC12~24V, 22Wh Back up battery(optional)
OS Support	Windows® 7, Windows® 8.1, Windows® 10, Linux®

Display

Size	22" LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178°(H)/178°(V)
Contrast Ratio	3000:1
Back Light Life Time	30,000 Hours
Touch Screen	Capacitive Multi-Touch/5-Wire Resistive

I/O

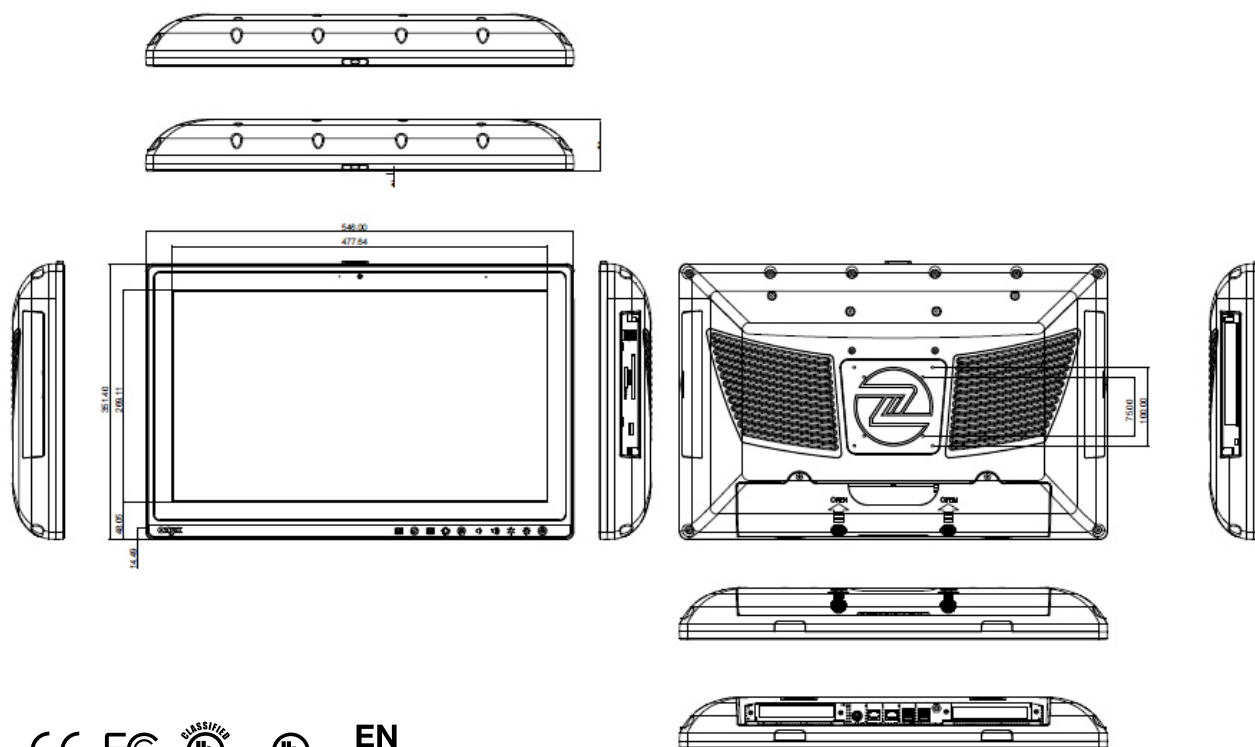
USB	USB 3.0 x 4, USB 3.1 x 2(side I/O) Isolated USB 2.0(optional)
Serial Port	Isolated RS-232 x 2(optional)
Ethernet	Isolated Gigabit LAN x 2
Video Out	Display Port x 2 (optional)

Mechanical and Environmental

Power Consumption	Full Loading: 55 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	8kg (17.6lb)
Package Dimension (W x D x H)	750 x 220 x 490mm
Certifications	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2NO.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

22" Fanless Smart View 6th Generation Core i7 Multi-Touch Medical Station

Dimension / Unit: mm



Ordering Information

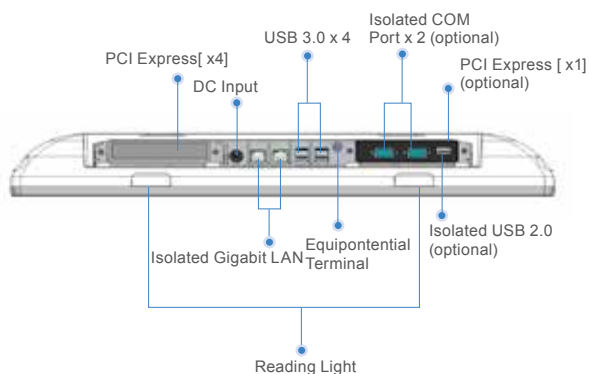
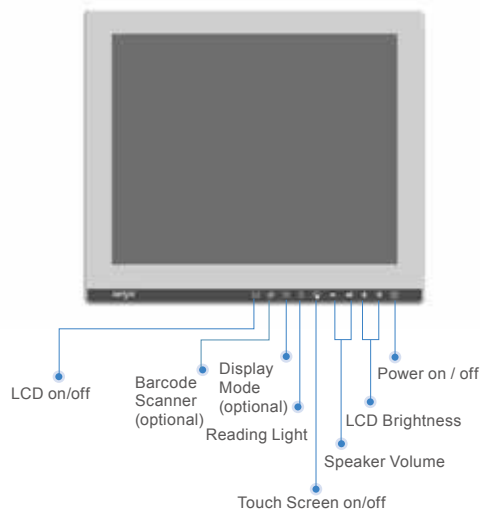
- | | |
|--|---|
| » ZEUS-228ST-A1-1010
Medical Station.i7-6600U.4GB RAM.22" LCD.12~24V.Capacitive Touch | » ZEUS-228ET-A1-1010
Medical Station.i7-6600U.4GB RAM.22" LCD.12~24V.Resistive Touch |
| » ZEUS-228ST-A2-1010
Medical Station.i5-6300U.4GB RAM.22" LCD.12~24V.Capacitive Touch | » ZEUS-228ET-A2-1010
Medical Station.i5-6300U.4GB RAM.22" LCD.12~24V.Resistive Touch |
| » ZEUS-228ST-A3-1010
Medical Station.i3-6100U.4GB RAM.22" LCD.12~24V.Capacitive Touch | » ZEUS-228ET-A3-1010
Medical Station.i3-6100U.4GB RAM.22" LCD.12~24V.Resistive Touch |

Optional Accessories

- | | |
|--|--|
| » 1255301202
Medical Power Adapter, 120W, 24V | » OPM-C02C-A2
Two Isolated RS-232 PCIe Card |
| » OPM-C06W-A6
Mini Card WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0 | » OPM-C02C-A3
One Isolated USB 2.0 + Two Isolated R-232 PCIe Card |
| » OPM-C09W-A6
Mini Card WLAN Kit, IEEE 802.11ac/a/b/g/n + Bluetooth 4.0 | » OPM-S01R-A2
RFID Reader |
| » OPM-T003-A3
Slim Slot-in DVD-RW Drive | » OPM-S01B-A2
2D Barcode Scanner |
| » OPM-T006-A1
Smart Card Reader Kit | » OPM-S01O-A2
RFID Reader & 2D Barcode Scanner |
| » OPM-P03C-A1
22Wh Backup Battery | |

ZEUS-198

19" Fanless Smart View 6th Generation Core i7 Multi-Touch Medical Station



Features

- Intel® 6th Generation Core i7-6600U 3.4GHz Dual Core Processor
- 19" 250-nit SXGA LCD
- Supports DDR4 SODIMM up to 32GB
- Capacitive Multi-Touch Screen / 5 Wire Resistive Touch Screen
- Easy Cleaning Flat Screen
- 10 Programmable Smart Function Keys with Dual Colors LED Status Indication
- LAN/USB(optional)/COM(optional) Medical Isolation
- Super Speed 10Gb/s USB 3.1 Port
- PCI Express[x4] x 1, PCI Express[x1] x 1(optional)
- Trusted Platform Module / Smart Card Reader(optional) / RFID (optional)
- Remote Management: Intel Active Management Technology
- +12V to +24V wide range DC input
- 22Wh Backup Battery(optional)

Specifications

Main Specifications

Processor	Intel® 6th Generation Core i7-6600U 3.4GHz Dual Core
System Memory	DDR4 SODIMM up to 32GB
Expansion	PCI Express[x4] x 1, PCI Express[x1] x 1(optional)
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1 Slim DVD-RW Drive x 1(optional) M.2 SSD x 1
Security	Trusted Platform Module, Smart Card reader(optional), RFID(optional)
Wireless Communication	802.11a/b/g/n/ac(optional), Bluetooth 4.0 (optional)
Speaker	5W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down, LCD On/Off, Touch Screen On/Off, Display Mode(optional), Reading Light On/Off
Power Requirement	DC 12~24V, 22Wh Back Up Battery(optional)
OS Support	Windows® 7, Windows® 8.1, Windows® 10, Linux®

Display

Size	19" LCD
Resolution	1280x1024
Luminance	250 nits
View Angle	170°(H)/160°(V)
Contrast Ratio	1000:1
Back Light Life Time	30,000 Hours
Touch Screen	Capacitive Multi-Touch/5-Wire Resistive

I/O

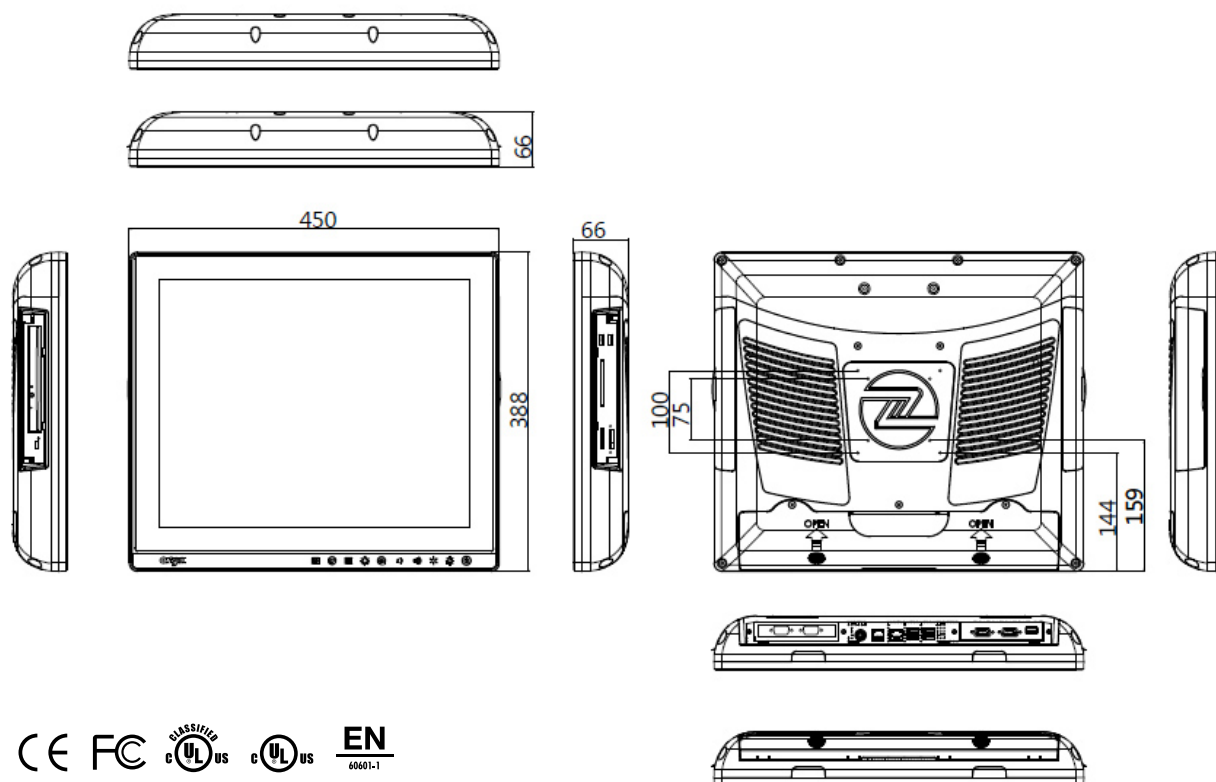
USB	USB 3.0 x 4, USB 3.1 x 2(in side I/O), Isolated USB 2.0 x1(optional)
Serial Port	Isolated RS-232 x 2(optional)
Ethernet	Isolated Gigabit LAN x 2
Audio	Mic(optional)/ Line out(optional)
Video Out	Display Port x 2(optional)

Mechanical and Environmental

Power Consumption	Full Loading: 55 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	7kg (15.43lb)
Package Dimension (W x D x H)	640 x 220 x 520mm
Certifications	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2NO.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

19" Fanless Smart View 6th Generation Core i7 Multi-Touch Medical Station

Dimension / Unit: mm



Ordering Information

- | | |
|--|---|
| » ZEUS-198ST-A1-1010
Medical Station.i7-6600U.4GB RAM.19" LCD.12~24V.Capacitive Touch | » ZEUS-198ET-A1-1010
Medical Station.i7-6600U.4GB RAM.19" LCD.12~24V.Resistive Touch |
| » ZEUS-198ST-A2-1010
Medical Station.i5-6300U.4GB RAM.19" LCD.12~24V.Capacitive Touch | » ZEUS-198ET-A2-1010
Medical Station.i5-6300U.4GB RAM.19" LCD.12~24V.Resistive Touch |
| » ZEUS-198ST-A3-1010
Medical Station.i3-6100U.4GB RAM.19" LCD.12~24V.Capacitive Touch | » ZEUS-198ET-A3-1010
Medical Station.i3-6100U.4GB RAM.19" LCD.12~24V.Resistive Touch |

Optional Accessories

- | | |
|--|--|
| » 1255301202
Medical Power Adapter, 120W, 24V | » OPM-C02C-A2
Two Isolated RS-232 PCIe Card |
| » OPM-C06W-A6
Mini Card WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0 | » OPM-C02C-A3
One Isolated USB 2.0 + Two Isolated R-232 PCIe Card |
| » OPM-C09W-A6
Mini Card WLAN Kit, IEEE 802.11ac/a/b/g/n + Bluetooth 4.0 | » OPM-S01R-A2
RFID Reader |
| » OPM-T003-A3
Slim Slot-in DVD-RW Drive | » OPM-S01B-A2
2D Barcode Scanner |
| » OPM-T006-A1
Smart Card Reader Kit | » OPM-S01O-A2
RFID Reader & 2D Barcode Scanner |
| » OPM-P03C-A1
22Wh Backup Battery | |

Medical AIO Solution

Medical AIO is a highly cost effective solution. Intel Core i3 processor, up to 16GB DDR3 and capacitive multi-touch screen enhance the efficiency of hospital applications. Fanless design keeps environment quiet and reduces the effort in cleaning. With one PCI Express[x1] slot, any standard PCI Express[x1] card such as isolated RS-232 card and video capture card can be installed to enhance capability.



Key Features:

- » » 19"/22"/24" LCD with resistive touch or capacitive multi-touch
- » » Trusted Platform Module and Smart Card Reader for Security Enhancement
- » » +12V to +24V wide range DC input
- » » Fanless Design for Quiet and Easy Maintenance
- » » Reading Light



✚ Intel® Core Platform for Critical Applications

Medical AIO offer ultra high performance Intel® LV Dual Core processor.



✚ Super 3.0 for USB, SATA and PCI-e

Still looking for a faster solution to upload or download medical records?! Zeus comes with latest high speed I/O design (USB3.0, SATA3.0, PCI-E3.0). Super 3.0 gives ten times data rate than before.



✚ Triple Isolation Protection to Patient

Medical isolation rating is 4kV rms (IEC 60601-1), which is crucial to protect patients, operators and medical equipment from harmful surges or spikes in the electrical signal. Medical AIO offers optional COM port, USB port isolation. We set the highest standard for patient and medical uses.



✚ Quiet, Clean & Easy to Maintain

Slim Medical Panel PCs utilize a large fanless heatsink on the back cover to efficiently dissipate heat generated from the processor and chipset. The Fanless cooling design keeps the environment quiet, clean and lowers maintenance efforts.



✚ Wide Range Power Input for Different Carts

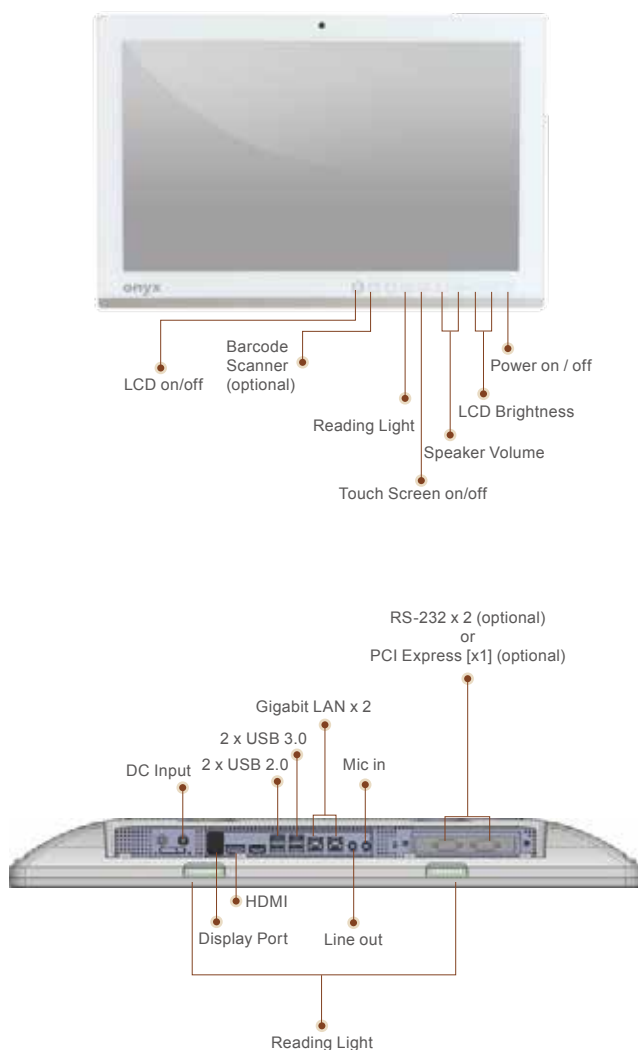
Slim Medical Panel PCs are designed to accept +9V to +30V DC power input. This wide range power input allows ease of operation with the battery source. It can integrate with Metro, Ergatron, ITD, Howard, and all major computer carts seamlessly.



✚ Dual Antennas with Best WLAN performance

With two antennas built into the Slim Medical Panel PCs, massive medical records and PACS images can be transferred through IEEE 802.11b/g/n wireless LAN up to 150Mbps/sec.





Features

- Intel® Core™ i3-4330TE Dual Core 2.4GHz Processor
- Intel® H81 Chipset
- Supports Dual Channel DDR3 SODIMM up to 16GB
- 24" 1920x1200 300 nits IPS LCD with LED Backlight
- Capacitive Multi-Touch Screen
- High Speed USB 3.0 Ports
- +12V to +24V Wide Range DC Input
- Fanless Design for Robust Environment
- PCI-Express x [1] (optional)
- RS-232 x 2 (optional)
- White Color ID Design

Specifications

Main Specifications

Processor	Intel® Core i3-4330TE Dual Core 2.4GHz Intel Pentium G3320TE Dual Core 2.3GHz Intel Celeron G1820TE Dual Core 2.2GHz
System Memory	Supports Dual Channel DDR3 SODIMM up to 16GB
Chipset	Intel® H81
OS Support	Windows® 7, Windows® 8, Linux®
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1
Security	Trusted Platform Module, RFID(optional)
Wireless Communication	802.11b/g/n(optional), Bluetooth 3.0HS & 4.0 (optional)
Speaker	5W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Power Requirement	DC 12~24V

Display

Size	24" IPS LCD
Resolution	1920 x 1200
Max. Colors	16.7M
Luminance	300 nits
View Angle	178°(H)/178°(V)
Contrast Ratio	1000:1
Back Light Life Time	30,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

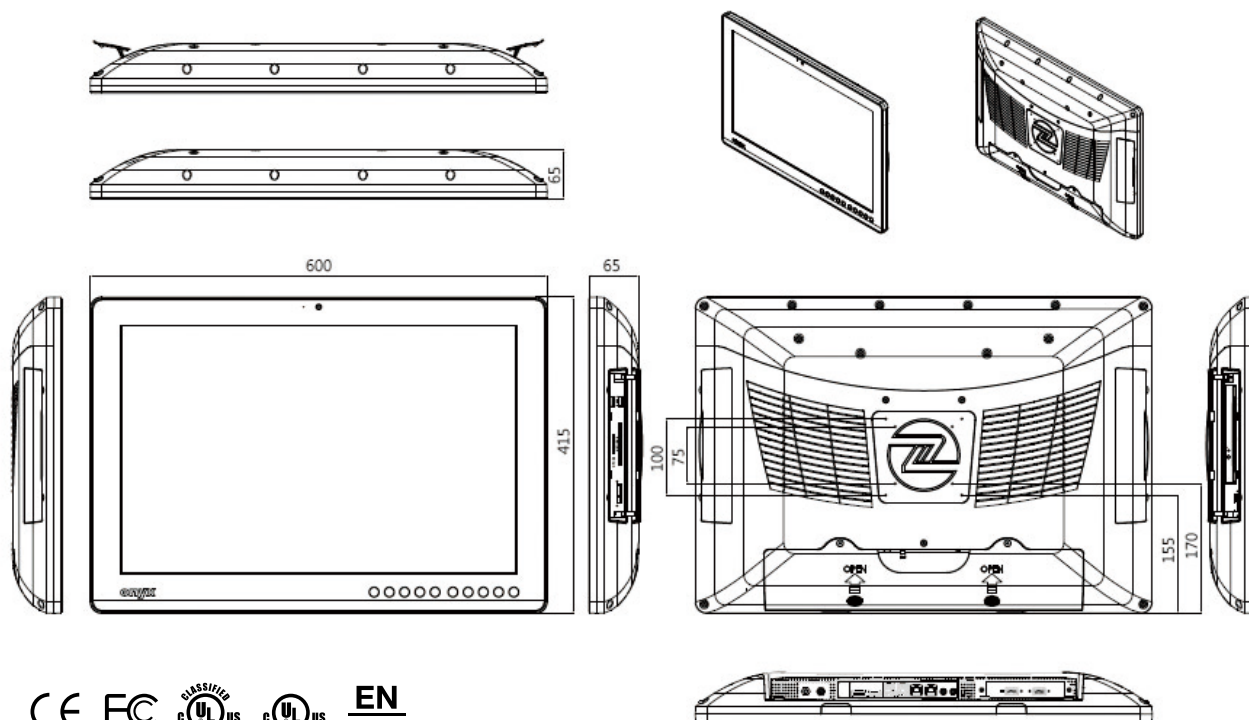
USB	USB 2.0 x 2, USB 3.0 x 2
Serial Port	RS-232 x 2 (optional)
Ethernet	Gigabit LAN x 2
Video Out	Display Port x 1(Supports resolution up to 3840 x 2160), HDMI x 1(Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out

Mechanical and Environmental

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	Front Panel IP65 ; Whole unit: IPx1
Net Weight	9.7kg (21.4lb)
Package Dimension (W x D x H)	790 x 220 x 550mm
Certification	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2NOo.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)022 / EN55024 15 Class B

24" Fanless i5 Medical AIO

Dimension / Unit: mm

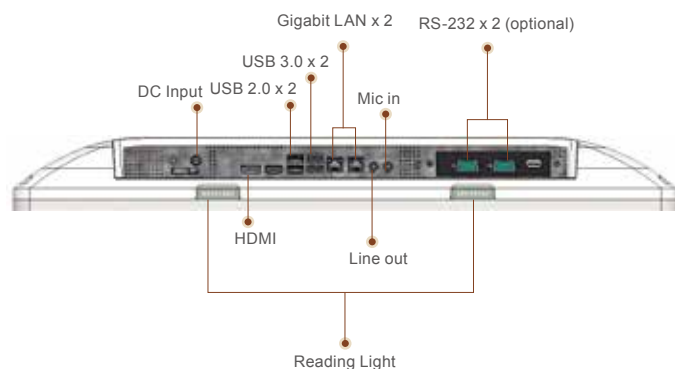
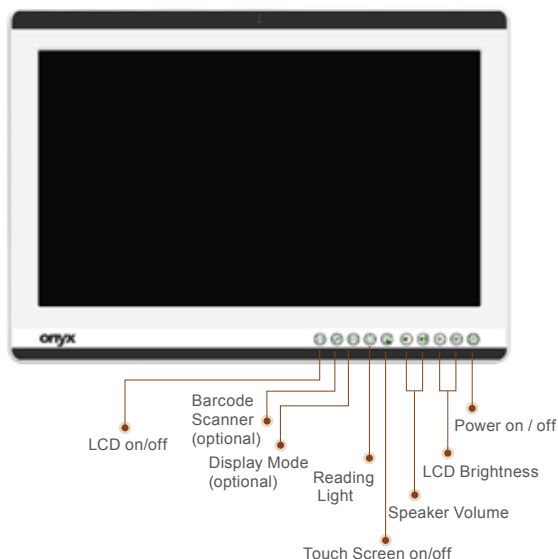


Ordering Information

- » MATE-2401ST-A1-1010
Medical Panel PC, 24" LCD, Intel i3-4330TE, 4GB RAM, DC 12~24V, PCT
- » MATE-2401ST-A2-1010
Medical Panel PC, 24" LCD, Intel Pentium G3320TE, 4GB RAM, DC 12~24V, PCT
- » MATE-2401ST-A3-1010
Medical Panel PC, 24" LCD, Intel Celeron G1820TE, 4GB RAM, DC 12~24V, PCT

Optional Accessories

- | | |
|--|--|
| <ul style="list-style-type: none"> » 1255301301
Medical Power Adapter, 130W, 24V » OPM-C06W-A6
WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0LE/3.0HS/2.1EDR » OPM-S01R-A3
RFID Reader.ISO 14443A/B.15693 » OPM-S01B-A3
2D Barcode Scanner » OPM-C02C-A1
Two Isolated RS-232 & One Isolated USB2.0 PCIe Card » OPM-C02C-A2
Two Isolated RS-232 PCIe Card | <ul style="list-style-type: none"> » OPM-S01O-A3
RFID Reader.ISO 14443A/B.15693 & 2D Barcode Scanner » OPM-T012-A1
Two RS-232 Kit » OPM-R01X-A1
PCI Express[x1] Riser Kit » OPM-T006-A2
Smart Card Reader kit » OPM-T013-A2
Slim Slot-in DVD-RW Drive |
|--|--|



Features

- Intel® Core™ i7 4770TE Quad Core 3.3GHz
- Intel® H81 Chipset
- Supports Dual Channel DDR3 SODIMM up to 16GB
- 24" Full HD High Contrast MVA LCD
- 5 Wire Resistive Touch Screen
- High Speed USB 3.0 Ports
- +12V to +24V Wide Range DC Input
- RS-232 x 2 (optional)
- PCI Express[x1] x 1(optional)
- RS-232 x 2(optional)

Specifications

Main Specifications

Processor	Intel® Core i7-4770TE Quad Core 3.3GHz
System Memory	Supports Dual Channel DDR3 SODIMM up to 16GB
Chipset	Intel® H81
OS Support	Windows® 7, Windows® 8.1, Windows® 10, Linux®
Storage Disk Drive	2.5" SATA HDD/SSD x1
Security	Trusted Platform Module
Expansion	PCI Express[x1] x 1(optional)
Wireless Communication	802.11ac/a/b/g/n(optional), Bluetooth 4.0(optional)
Speaker	5W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down, LCD On/Off, Touch Screen On/Off, Reading Light On/Off
Power Requirement	DC 12~24V

Display

Size	24" LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178°(H)/178°(V)
Contrast Ratio	3000:1
Back Light Life Time	30,000 Hours
Touch Screen	5-wire Resistive

I/O

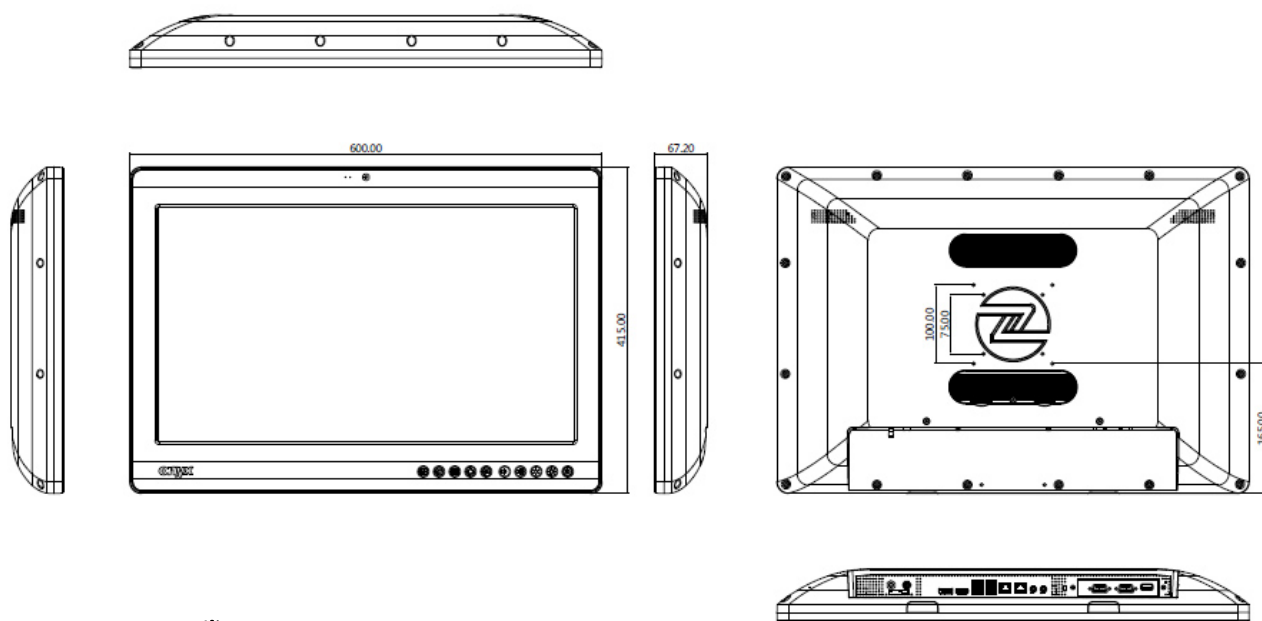
USB	USB 3.0 x2, USB 2.0 x2
Serial Port	RS-232 x 2 (optional)
Ethernet	Gigabit LAN x 2
Video Out	Display Port x1(Supports resolution up to 3840 x 2160), HDMI x1(Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out

Mechanical and Environmental

Power Consumption	Full loading: 80 Watts
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	Front Panel IP65 ; Whole unit: IPx1
Net Weight	8.5kg(18.7 lb)
Package Dimension (W x D x H)	790 x 220 x 550mm
Certification	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2NO6.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

24" i7 Smart Fan Medical AIO

Dimension / Unit: mm



Ordering Information

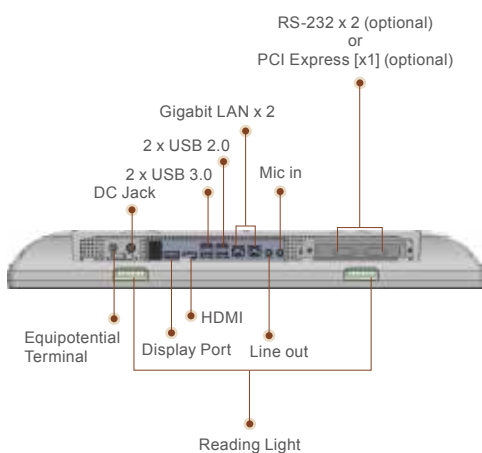
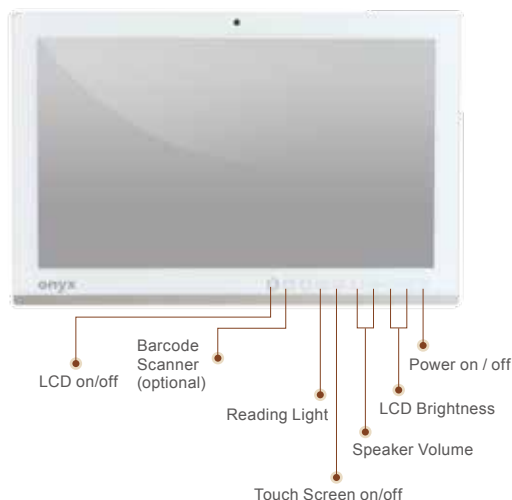
- » MATE-2402ET-A1-1010
Medical Panel PC. i7-4770TE.24" LCD.DC 12~24V.Resistive Touch.4GB RAM
- » MATE-2402ET-A2-1010
Medical Panel PC. I5-4570TE.24" LCD.DC 12~24V.Resistive Touch.4GB RAM

Optional Accessories

- » 1255301301
Medical Power Adapter, 130W, 24V
- » OPM-C06W-A6
WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0
- » OPM-R01X-A1
PCI Express[x1] Riser Kit
- » OPM-T012-A1
Two RS-232 Kit
- » OPM-C02C-A1
Two Isolated RS-232 & One Isolated USB 2.0 PCIe Card
- » OPM-C02C-A2
Two Isolated RS-232 PCIe Card

MATE-2201

22" Fanless i5 Medical AIO



Features

- Intel® Core™ i3-4330TE Dual Core 2.4GHz Processor
- Intel® H81 Chipset
- Supports Dual Channel DDR3 SODIMM up to 16GB
- 22" Full HD LCD with LED Backlight
- 5-Wire Resistive Touch Screen / Capacitive Multi-Touch Screen
- High Speed USB 3.0 Ports
- +12V to +24V Wide Range DC Input
- Fanless Design for Robust Environment
- PCI-Express x [1] x 1 (optional)
- RS-232 x 2 (optional)
- White Color ID Design

Specifications

Main Specifications

Processor	Intel® Core i3-4330TE Dual Core 2.4GHz Intel Pentium G3320TE Dual Core 2.3GHz Intel Celeron G1820TE Dual Core 2.2GHz
System Memory	Supports Dual Channel DDR3 SODIMM up to 16GB
Chipset	Intel® H81
OS Support	Windows® 7, Windows® 8, Linux®
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1 Slim DVD-RW Drive x 1 (optional)
Security	Trusted Platform Module, RFID(optional) Smart Card Reader x 1 (optional)
Wireless Communication	802.11b/g/n(optional), Bluetooth 3.0HS & 4.0 (optional)
Speaker	5W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down LCD On/Off, Touch Screen On/Off, Reading Light On/Off
Power Requirement	DC 12~24V

Display

Size / Type	22" MVA LCD
Max. Resolution	1920 x 1080
Luminance(cd/m2)(TYP)	250 nits
Viewing Angle	178°(H)/178°(V)
Contrast Ratio	3000:1
Back Light Life Time	30,000 Hours
Touch Screen	5-Wire Resistive / Capacitive Multi-Touch

I/O

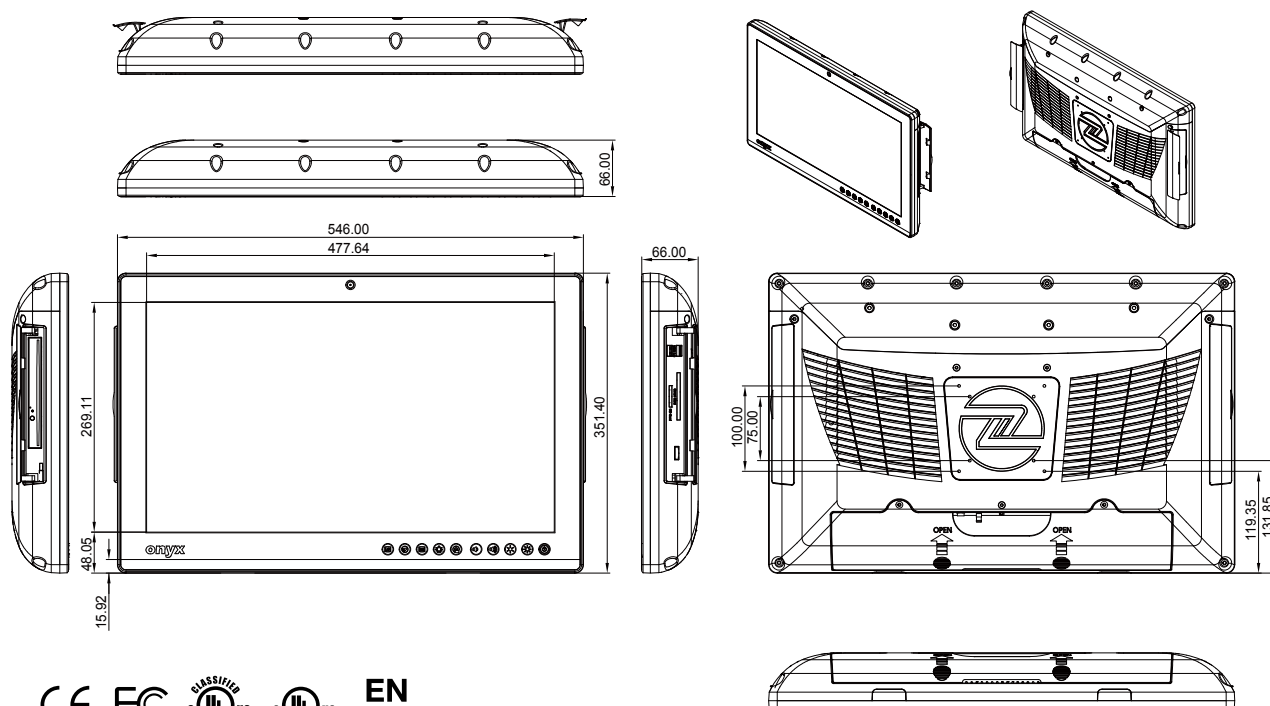
USB	USB 2.0 x 4, USB 3.0 x 2
Serial Port	RS-232 x 2 (optional)
Ethernet	Gigabit LAN x 2
Video Out	Display Port x1(Supports resolution up to 3840 x 2160), HDMI x1(Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out

Mechanical and Environmental

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	Front Panel IP65 ; Whole unit: IPx1
Net Weight	8.5kg (18.7lb)
Package Dimension (W x D x H)	750 x 220 x 490mm
Certification	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2NO.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

22" Fanless i5 Medical AIO

Dimension / Unit: mm

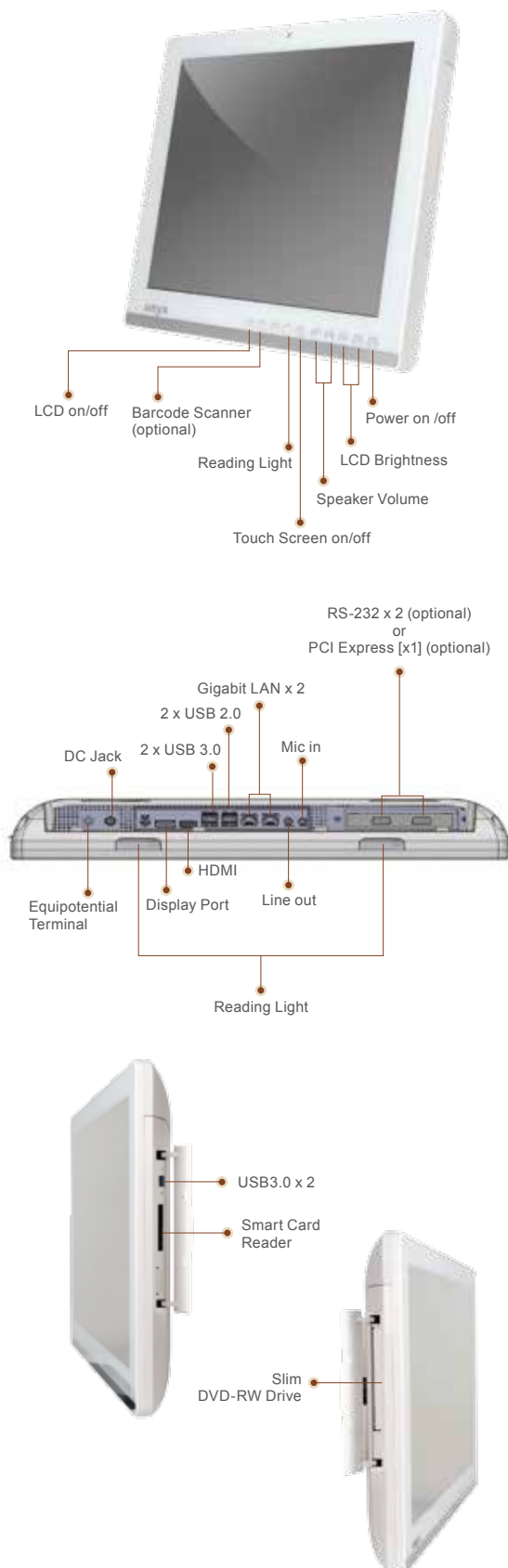


Ordering Information

- | | |
|--|--|
| <p>» MATE-2201ET-A1-1110
Medical Panel PC.i3-4330TE.22" LCD.DC 12~24V.Resistive Touch.4GB RAM</p> <p>» MATE-2201ET-A2-1110
Medical Panel PC.Pentium G3320TE .22" LCD.DC 12~24V. Resistive Touch.4GB RAM</p> <p>» MATE-2201ET-A3-1110
Medical Panel PC.Celeron G1820TE .22" LCD.DC 12~24V. Resistive Touch.4GB RAM</p> | <p>» MATE-2201ST-A1-1110
Medical Panel PC.i3-4330TE.22" LCD.DC 12~24V.Capacitive Touch.4GB RAM</p> <p>» MATE-2201ST-A2-1110
Medical Panel PC.Pentium G3320TE .22" LCD.DC 12~24V. Capacitive Touch.4GB RAM</p> <p>» MATE-2201ST-A3-1110
Medical Panel PC.Celeron G1820TE.22" LCD.DC 12~24V. Capacitive Touch.4GB RAM</p> |
|--|--|

Optional Accessories

- | | |
|---|--|
| <p>» 1255301301
Medical Power Adapter, 130W, 24V</p> <p>» OPM-C06W-A6
WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0LE/3.0HS/2.1EDR</p> <p>» OPM-S01R-A3
RFID Reader.ISO 14443A/B.15693</p> <p>» OPM-S01B-A3
2D Barcode Scanner</p> <p>» OPM-C02C-A1
Two Isolated RS-232 & One Isolated USB2.0 PCIe Card</p> <p>» OPM-C02C-A2
Two Isolated RS-232 PCIe Card</p> | <p>» OPM-S01O-A3
RFID Reader.ISO 14443A/B.15693 & 2D Barcode Scanner</p> <p>» OPM-T012-A1
Two RS-232 Kit</p> <p>» OPM-R01X-A1
PCI Express[x1] Riser Kit</p> <p>» OPM-T006-A2
Smart Card Reader kit</p> <p>» OPM-T013-A1
Slim Slot-in DVD-RW Drive</p> |
|---|--|



Features

- Intel® Core™ i3-4330TE Dual Core 2.4GHz Processor
- Intel® H81 Chipset
- Supports Dual Channel DDR3 SODIMM up to 16GB
- 19" SXGA LCD with LED Backlight
- 5-Wire Resistive Touch Screen / Capacitive Multi-Touch Screen
- High Speed USB 3.0 Ports
- +12V to +24V Wide Range DC Input
- Fanless Design for Robust Environment
- PCI-Express x [1] x 1 (optional)
- RS-232 x 2 (optional)
- White Color ID Design

Specifications

Main Specifications

Processor	Intel® Core i3-4330TE Dual Core 2.4GHz Intel Pentium G3320TE Dual Core 2.3GHz Intel Celeron G1820TE Dual Core 2.2GHz
System Memory	Supports Dual Channel DDR3 SODIMM up to 16GB
Chipset	Intel® H81
OS Support	Windows® 7, Windows® 8, Linux®
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1 Slim DVD-RW Drive x 1 (optional)
Security	Trusted Platform Module, RFID(optional) Smart Card Reader x 1 (optional)
Wireless Communication	802.11b/g/n(optional), Bluetooth 3.0HS & 4.0 (optional)
Speaker	5W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down LCD On/Off, Touch Screen On/Off, reading Light On/Off
Power Requirement	DC 12~24V

Display

Size / Type	19" TN LCD
Max. Resolution	1280 x 1024
Luminance(cd/m2)(TYP)	250 nits
Viewing Angle	170°(H)/160°(V)
Contrast Ratio	1000:1
Back Light Life Time	30,000 Hours
Touch Screen	5-Wire Resistive / Capacitive Multi-Touch Screen

I/O

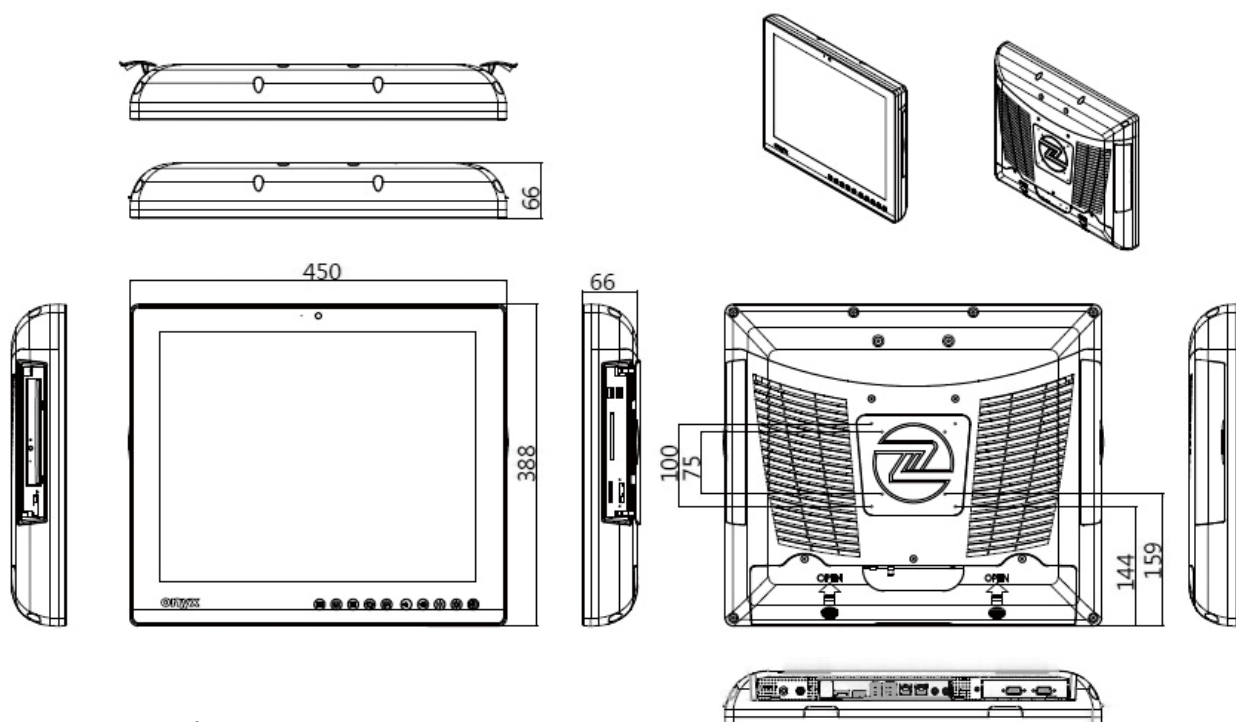
USB	USB 2.0 x 4, USB 3.0 x 2
Serial Port	RS-232 x 2 (optional)
Ethernet	Gigabit LAN x 2
Video Out	Display Port x 1(Supports resolution up to 3840 x 2160), HDMI x 1(Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out

Mechanical and Environmental

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	Front Panel IP65 ; Whole unit: IPx1
Net Weight	7.5kg (16.5lb)
Package Dimension (W x D x H)	640 x 220 x 520mm
Certification	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971(CAN/CSA-C22.2NO.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

19" Fanless i5 Medical AIO

Dimension / Unit: mm



Ordering Information

- | | |
|---|---|
| <p>» MATE-1901ET-A1-1010
Medical Panel PC.i3-4330TE.19" LCD.DC 12~24V.Resistive Touch.4GB RAM</p> <p>» MATE-1901ET-A2-1010
Medical Panel PC.Pentium G3320TE.19" LCD.DC 12~24V. Resistive Touch.4GB RAM</p> <p>» MATE-1901ET-A3-1010
Medical Panel PC.Celeron G1820TE .19" LCD.DC 12~24V. Resistive Touch.4GB RAM</p> | <p>» MATE-1901ST-A1-1010
Medical Panel PC.i3-4330TE.19" LCD.DC 12~24V.Capacitive Touch.4GB RAM</p> <p>» MATE-1901ST-A2-1010
Medical Panel PC.Pentium G3320TE.19" LCD.DC 12~24V. Capacitive Touch.4GB RAM</p> <p>» MATE-1901ST-A3-1010
Medical Panel PC.Celeron G1820TE.19" LCD.DC 12~24V. Capacitive Touch.4GB RAM</p> |
|---|---|

Optional Accessories

- | | |
|---|--|
| <p>» 1255301301
Medical Power Adapter, 130W, 24V</p> <p>» OPM-C06W-A6
WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0LE/3.0HS/2.1EDR</p> <p>» OPM-S01R-A3
RFID Reader.ISO 14443A/B.15693</p> <p>» OPM-S01B-A3
2D Barcode Scanner</p> <p>» OPM-C02C-A1
Two Isolated RS-232 & One Isolated USB2.0 PCIe Card</p> <p>» OPM-C02C-A2
Two Isolated RS-232 PCIe Card</p> | <p>» OPM-S01O-A3
RFID Reader.ISO 14443A/B.15693 & 2D Barcode Scanner</p> <p>» OPM-T012-A1
Two RS-232 Kit</p> <p>» OPM-R01X-A1
PCI Express[x1] Riser Kit</p> <p>» OPM-T006-A2
Smart Card Reader kit</p> <p>» OPM-T013-A2
Slim Slot-in DVD-RW Drive</p> |
|---|--|

Healthcare Infotainment Solution

Onyx is proud to introduce its medical infotainment solutions to reduce the workload of nurses and maximize patient's hospital experience during their stays. Onyx Infotainment series are offered in 10.1"/15.6"/18.5" touch panel LCDs and are all low power high performance all-in-one terminals with high brightness, wide viewing angles, and anti-microbial design. From the high performance Intel processor to power saving ARM CPUs, Onyx Infotainment series allows customers to select from a wide variety of bedside solutions that best fits their need and budget.



Key Features

- » » HD video quality with HDMI input
- » » 11.6" to 21.5" Wide Color TFT LCD w/ Multi Touch
- » » USB interface to host computer
- » » Light Weight from 1.5 to 3.2kg
- » » Wire Remote Control w/ handset Function
- » » Smart Card Reader / MSR / VOIP Phone, Web Camera, High Quality Speakers
- » » Reading Light
- » » Extension Features: RFID, Smart Card Reader, Barcode scanner
- » » EN60601-1 / UL 60601-1

Complete Range of Medical Solutions to Suit Your Needs

From display systems such as bedside monitors to medical grade boxPCs and all-in-one terminals, Onyx offers a comprehensive assortment of medical IT solutions to cover virtually any computing need in the healthcare community.



Peripheral Support Features that Extend Your Efficiency

Increasing the efficiency of your healthcare facility is conveniently managed with the addition of intelligent peripheral devices. Like smart card and magnetic swipe card readers, high resolution webcams, and 10-point multi-touch displays.



Ergonomic and Cost-effective Design

The Bedside Infotainment Series offers solutions that are both lightweight and compact in size, making them easy to carry, install, and manage for medical staff. Units with an 18.5" display weigh only 3.5kg, while units with an 11.6" display weigh just 1.5kg. The competitively priced Bedside Infotainment Series makes it an ideal solution to fit a multitude of medical IT applications, while at the same time saving on your budget.



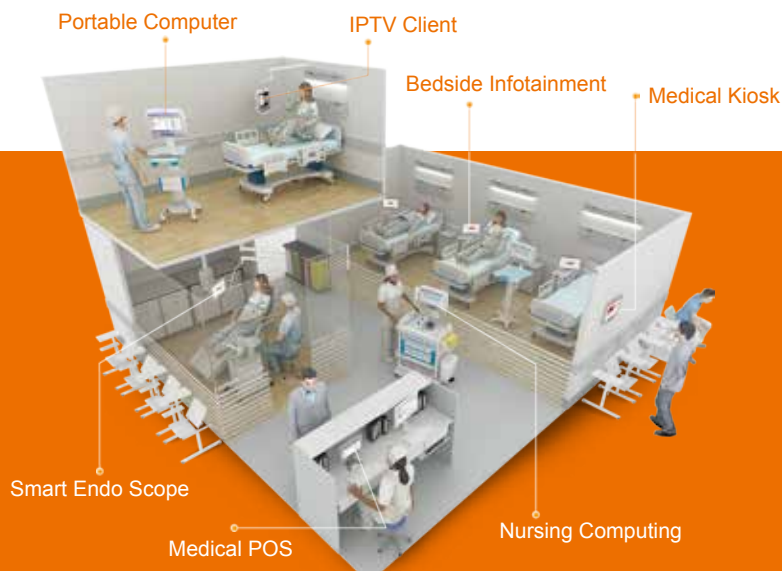
Power over Ethernet (PoE)

The advantages of using PoE include providing a single cable for both data and power that eliminates the need for extra power cords; ease of installation as there is no need to coordinate data and power sources which can leave extra lengths of exposed cabling; and the ability to use existing infrastructure, minimizing interruptions to facilities and patients.



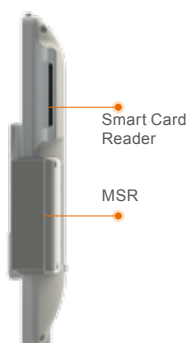
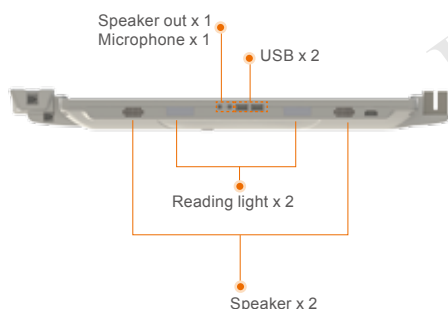
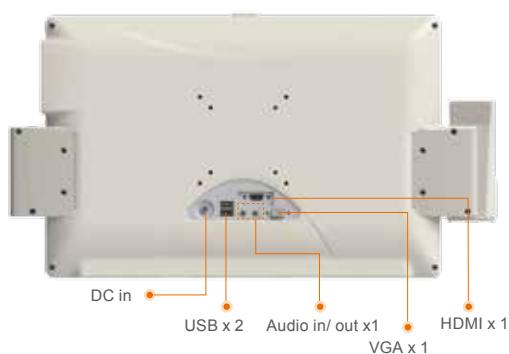
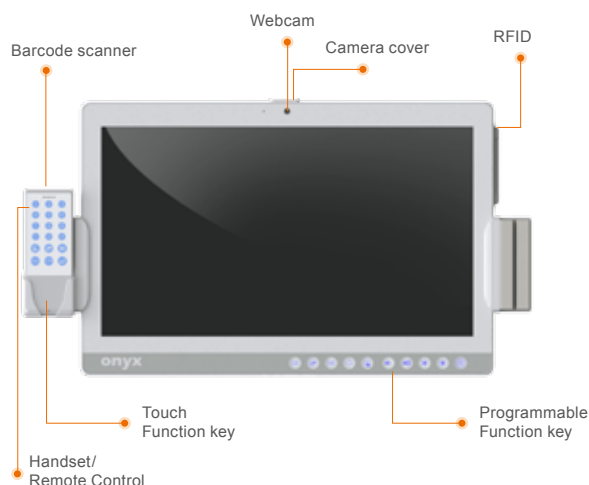
Multifunctional Remote Control

Controlling the Bedside Infotainment system has been made as simple and convenient as possible with the multifunctional remote control. The controller includes a VOIP phone as well as all buttons necessary to control the unit. An optional 2D barcode scanner is also available.



ONYX-BE322

22" Bedside Infotainment Touch monitor



Features

- HD video quality with HDMI input
- 21.5" Wide Color TFT LCD Touch Monitor Light Weight
- PCT Touch for supporting Multi-Touch
- USB interface to host computer
- Light Weight at 4.6kg
- Wire Remote Control w/ handset Function
- VOIP Phone, Web Camera, High Quality Speakers, MSR
- Smart Card Reader / MSR
- Reading Light
- Alarm LED controlled thru USB
- Extension Features: RFID, Smart Card Reader, Barcode scanner
- EN60601-1 / UL 60601-1

Specifications

Main Specifications

Size	21.5" (16:9) Color TFT LCD
Resolution	1820 x 1080
Max. Colors	16.7M
Luminance	250 nits
View Angle	178(H)/178(U)
Contrast Ratio	3000:1
MTBF	30,000 Hours
Touch Screen	Projected Capacitive Touch / 5-Wire Resistive Touch

I/O

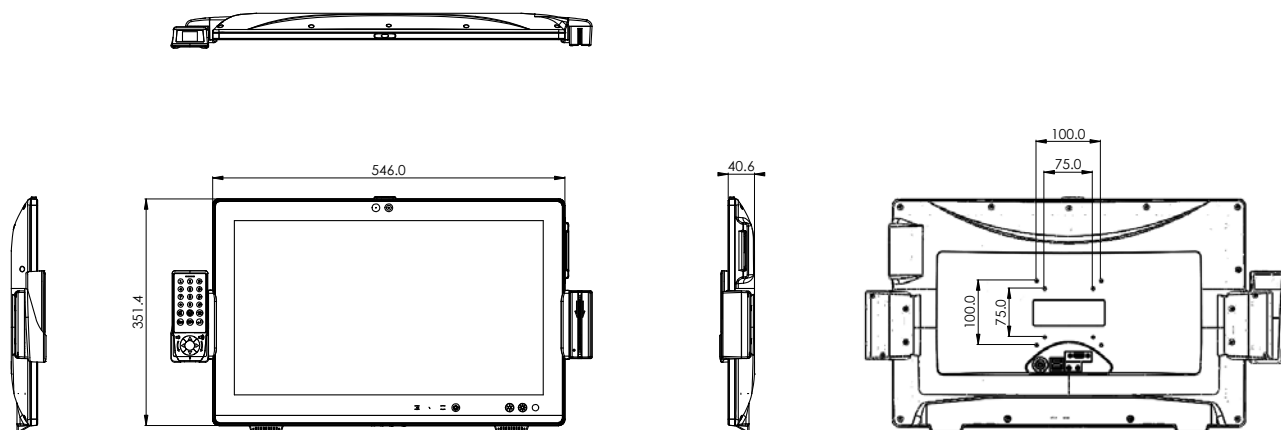
Front USB	2 x External USB2.0 on bottom I/O
Rear USB	2 x Rear USB2.0 for connecting Host computer
Video in	HDMI / VGA x 1
Front Audio	Speaker out x 1 and Microphone-in x1
Rear Audio	Audio-in x 1 and Microphone-in x1
Speaker	2 x 2W High Quality Speakers
Extension	1D / 2D Barcode Scanner VOIP Phone w/ wire remote control Web Camera MSR RFID Smart Card Reader

Mechanical and Environmental

Power Consumption	Full Loading: 22Watts
Infection Control	Anti-Bacteria (optional)
Power Requirement	DC 12V ~24V
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of protection	Front Panel: IP65; Whole Unit: IPX1
Net Weight	4.6kg (10.12lb) (w/o packing)
Cross weight	8.2kg (18.04lb) (w/packing)
Package Dimension (W x D x H)	TBD
EMC	CE/ FCC Class B, UL60601-1, EN60601-1

22" Bedside Infotainment Touch monitor

Dimension / Unit: mm



Ordering Information

» ONYX-BE322DT-A1-1010

21.5" Infotainment Touch Monitor, HDMI Input, Resistive Touch, Reading Light, Web Camera, Smart Card Reader

» ONYX-BE322DT-F1-1010

21.5" Infotainment Touch Monitor, HDMI Input, Reading Light, Resistive Touch, Web Camera, Smart Card Reader, RFID

» ONYX-BE322DT-A2-1010

21.5" Infotainment Touch Monitor, HDMI Input, PCT, Reading Light, Web Camera, Smart Card Reader

» ONYX-BE322DT-F2-1010

21.5" Infotainment Touch Monitor, HDMI Input, PCT, Reading Light, Web Camera, Smart Card Reader, RFID

Optional Accessories

» TF-PER-M97

70W Medical Adapter, 3rd Edition, 19V Output

» OPM-H04A

ARM, Wall Mount, VESA 75/100, 1~7kg

» OPM-T009-A1

Handset and Wire Remote Control

» OPM-T009-A2

Handset and Wire Remote Control + 2D Barcode Scanner

» OPM-S02C-A1

MSR for BE381

» OPM-H13A-A1

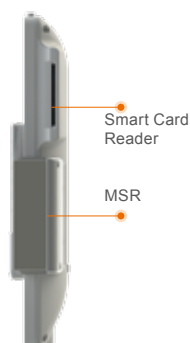
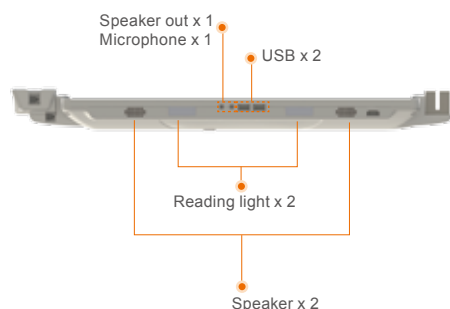
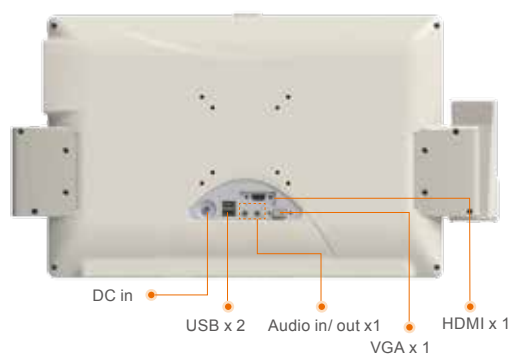
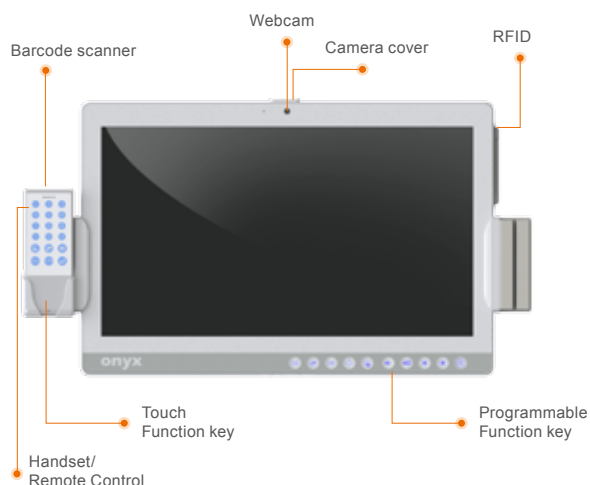
Bedside Wall Mount Long Arm, 1~6kg, VESA 75/100

» OPM-H15A-A1

Easi Ceiling Mount Swivel Arm, 1~6kg, VESA 75/100

ONYX-BE381

18.5" Bedside Infotainment Touch monitor



Features

- HD video quality with HDMI input
- 18.5 Wide Color TFT LCD Touch Monitor Light Weight
- PCT Touch for supporting Multi-Touch
- USB interface to host computer
- Light Weight at 3.2kg
- Wire Remote Control w/ handset Function
- VOIP Phone, Web Camera, High Quality Speakers, MSR
- Smart Card Reader / MSR
- Reading Light
- Alarm LED controlled thru USB
- Extension Features: RFID, Smart Card Reader, Barcode scanner
- EN60601-1 / UL 60601-1

Specifications

Main Specifications

Size	18.5" (16:9) Color TFT LCD
Resolution	1366 x 768
Max. Colors	16.7M
Luminance	300 nits
View Angle	170(H)/160(U)
Contrast Ratio	1000:1
MTBF	30,000 Hours
Touch Screen	Projected Capacitive Touch / 5-Wire Resistive Touch

I/O

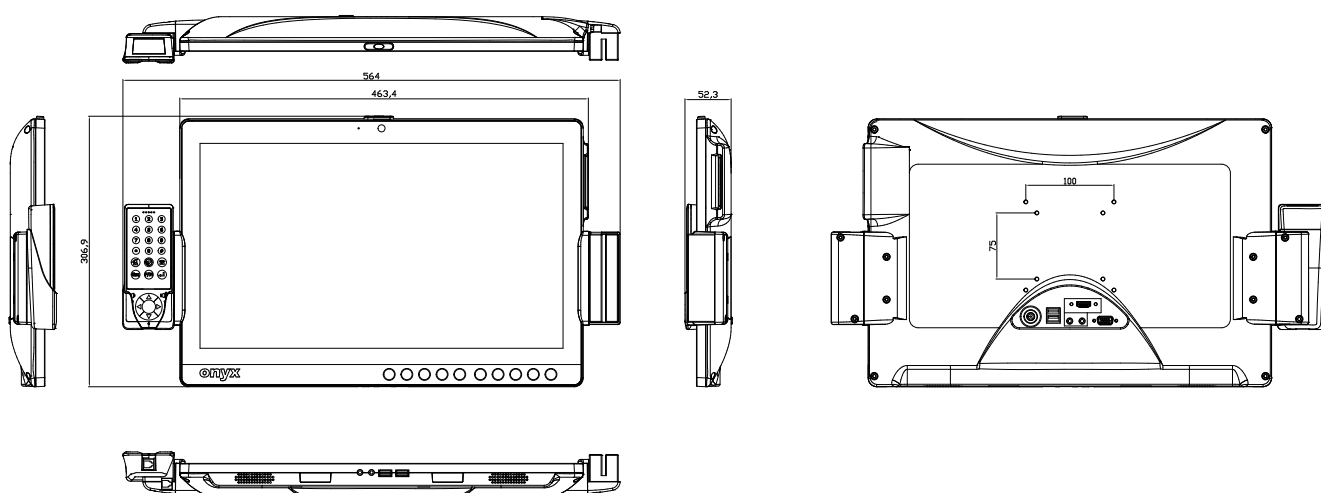
Front USB	2 x External USB2.0 on bottom I/O
Rear USB	2 x Rear USB2.0 for connecting Host computer
Video in	HDMI / VGA x 1
Front Audio	Speaker out x 1 and Microphone-in x1
Rear Audio	Audio-in x 1 and Microphone-in x1
Speaker	2 x 2W High Quality Speakers
Extension	1D / 2D Barcode Scanner VOIP Phone w/ wire remote control Web Camera MSR RFID Smart Card Reader

Mechanical and Environmental

Power Consumption	Full Loading: 18Watts
Infection Control	Anti-Bacteria (optional)
Power Requirement	DC 12V ~24V
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of protection	Front Panel: IP65; Whole Unit: IPX1
Net Weight	3.2kg (7.05lb) (w/packing)
Cross weight	6.8kg (14.99lb) (w/packing)
Package Dimension (W x D x H)	721 x 224 x 464 mm
EMC	CE/ FCC Class B, UL60601-1, EN60601-1

18.5" Bedside Infotainment Touch monitor

Dimension / Unit: mm



Ordering Information

» ONYX-BE381DT-A1-1010

18.5" Infotainment Touch Monitor, HDMI Input, Resistive Touch, Reading Light, Web Camera, Smart Card Reader

» ONYX-BE381DT-F1-1010

18.5" Infotainment Touch Monitor, HDMI Input, Reading Light, Resistive Touch, Web Camera, Smart Card Reader, RFID

» ONYX-BE381DT-A2-1010

18.5" Infotainment Touch Monitor, HDMI Input, PCT, Reading Light, Web Camera, Smart Card Reader

» ONYX-BE381DT-F2-1010

18.5" Infotainment Touch Monitor, HDMI Input, PCT, Reading Light, Web Camera, Smart Card Reader, RFID

Optional Accessories

» 1757306038

60W Medical Adapter, 3rd Edition, 12V Output

» OPM-H04A

ARM, Wall Mount, VESA 75/100, 1~7kg

» OPM-T009-A1

Handset and Wire Remote Control

» OPM-T009-A2

Handset and Wire Remote Control + 2D Barcode Scanner

» OPM-S02C-A1

MSR for BE381

» OPM-H13A-A1

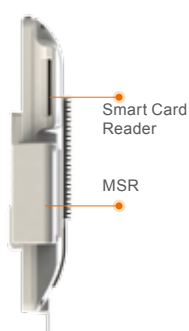
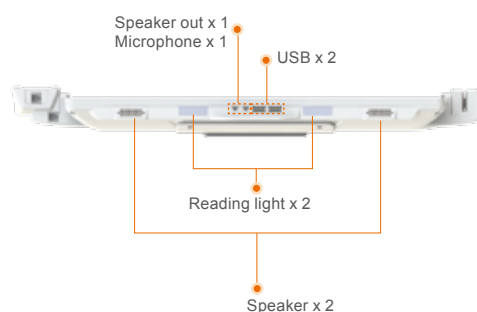
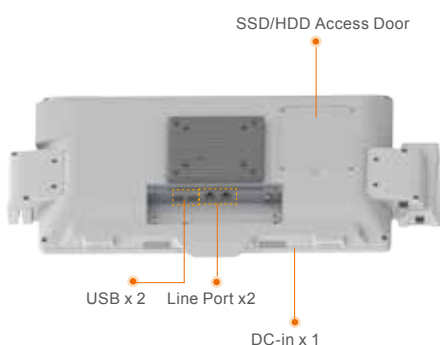
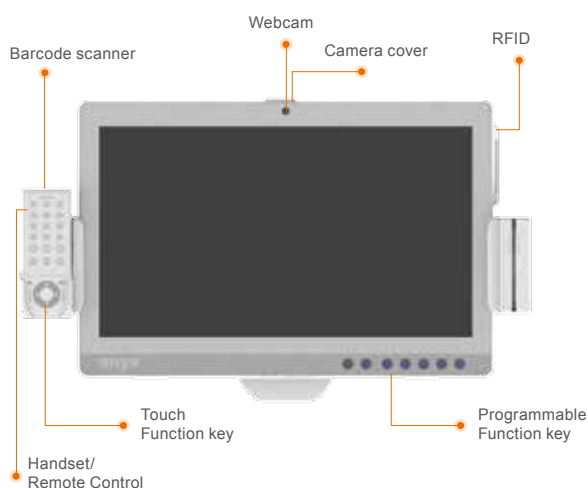
Bedside Wall Mount Long Arm, 1~6kg, VESA 75/100

» OPM-H15A-A1

Easi Ceiling Mount Swivel Arm, 1~6kg, VESA 75/100

ONYX-BE182

18.5" Bedside Infotainment Touch Terminal



Features

- Intel® J1900 2.42GHz Quad Core Processor
- 18.5" Wide Color TFT LCD Touch Terminal
- PCT for supporting Multi-Touch
- Wire Remote-Control w/ Handset Function
- VOIP Phone, Webcam, High Quality Speaker, MSR, Smart Card Reader
- Reading Light
- Extension Feature: RFID, Barcode Scanner
- IP65 Water Proof in front
- EN 60601-1, UL 60601-1

Specifications

Main Specifications

Processor	Intel® Celeron J1900 Quad Core 2.42GHz
System Memory	Supports DDR3 SODIMM up to 8GB
Expansion Interface	Mini Card x 2
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1
Security	Trusted Platform Module, Smart Card Reader (optional), MSR (optional), RFID (optional)
Wireless communication	802.11b/g/n(optional), Bluetooth 4.0 (optional)
Speaker	1W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Power Requirement	DC 12~24V
OS Support	Windows 7, Window 8.1, Linux

Display

Size	18.5" (16:9) Color TFT LCD
Resolution	1366 x 768
Max. Colors	16.7M
Luminance	300 nits
View Angle	170(H)/160(U)
Contrast Ratio	1000:1
MTBF	30,000 Hours
Touch Screen	Projected Capacitive Touch / 5-Wire Resistive Touch

I/O

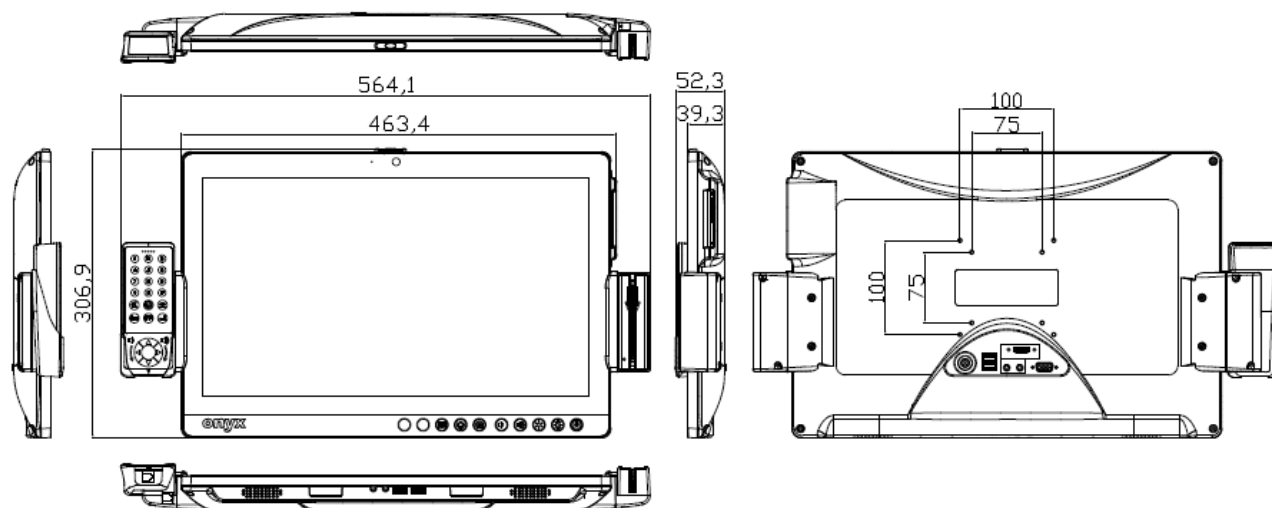
USB	USB2.0 x 4
Serial Port	Isolated RS-232 x 1
Ethernet	Isolated Gigabit LAN x 2
Audio	Mic-in, Line-out

Mechanical and Environmental

Infection Control	Anti-Bacteria (optional)
Power Requirement	DC 12V ~24V
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of protection	Front Panel: IP65; Whole Unit: IPX1
Net Weight	4.2 kg
Package Dimension (W x D x H)	721 x 224 x 464 mm
EMC	CE/ FCC Class B, UL60601-1, EN60601-1

18.5" Bedside Infotainment Touch Terminal

Dimension / Unit: mm



Ordering Information

» **ONYX-BE182DT-A1-1010**

18.5" Infotainment Terminal. Intel Quad-Core J1900. 2G RAM. Fanless. Resistive Touch. Reading Light. Webcam. Smart Card Reader

» **ONYX-BE182DT-F1-1010**

18.5" Infotainment Terminal. Intel Quad-Core J1900. 2G RAM. Fanless. Resistive Touch. Reading Light. Webcam. Smart Card Reader. RFID

» **ONYX- BE182DT-A2-1010**

18.5" Infotainment Terminal. Intel Quad-Core J1900. 2G RAM. Fanless. PCT Touch. Reading Light. Webcam. Smart Card Reader

» **ONYX-BE182DT-F2-1010**

18.5" Infotainment Terminal. Intel Quad-Core J1900. 2G RAM. Fanless. PCT Touch. Reading Light. Webcam. Smart Card Reader. RFID

Optional Accessories

» **TF-PER-M97**

70W Medical Grade 3rd Edition, 110/240VAC input, 24V Output, 1.8 meter cable length

» **OPM-H04A**

ARM, Wall Mount, VESA 75/100, 1~7kg

» **OPM-T009-A1**

Handset and Wire Remote Control

» **OPM-T009-A2**

Handset and Wire Remote Control + 2D Barcode Scanner

» **OPM-C06W-A5**

WLAN kit. 802.11 a/b/g/n + Bluetooth 4.0LE/ 3.0HS/ 2.1EDR for BE182

» **OPM-S02C-A1**

MSR for BE381

» **TF-PER-M50**

Bedside Wall Mount Long Arm, 1~6kg, VESA 75/100

» **OPM-H13A-A1**

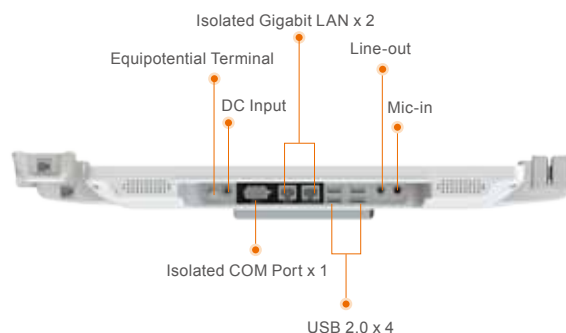
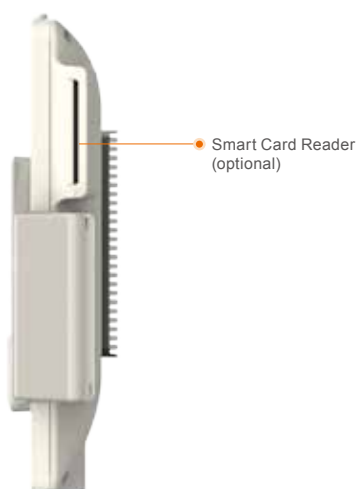
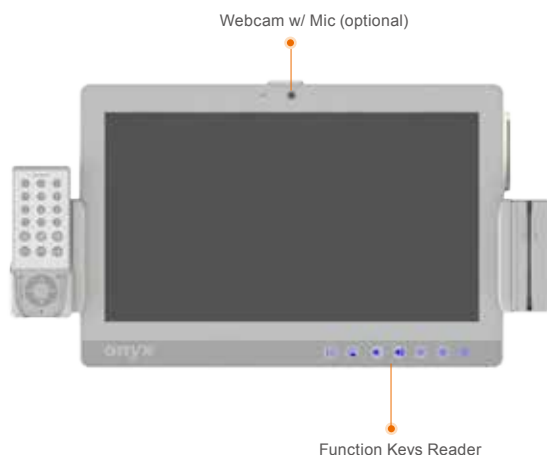
Bedside Wall Mount Long Arm, 1~6kg, VESA 75/100

» **OPM-H13A-A1**

Bedside Wall Mount Long Arm, 1~6kg, VESA 75/100

ONYX-1531

15.6" Fanless Bedside Infotainment Touch Terminal



Features

- Intel® Celeron J1900 2.42GHz Quad Core Processor
- 15.6" High Brightness 300-nit Full HD LCD
- Supports DDR3L SODIMM up to 8GB
- 5-wire Resistive Touch Screen / Capacitive Multi-Touch Screen
- Easy Cleaning Flat Screen
- 7 Programmable Smart Function Keys
- COM/LAN Medical Isolation
- 2.0M Pixels Camera (optional)
- Handset w/2D Barcode Scanner (optional)
- Trusted Platform Module / Smart Card Reader(optional) / MSR(optional) / RFID (optional)
- +12V to +24V wide range DC input

Specifications

Main Specifications

Processor	Intel® Celeron J1900 Quad Core 2.42GHz
System Memory	Supports DDR3L SODIMM up to 8GB
Expansion Interface	Mini Card x 1
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1, mSATA SSD x 1
Security	Trusted Platform Module, Smart Card Reader (optional), MSR (optional), RFID (optional)
Wireless Communication	802.11a/b/g/n(optional), Bluetooth 4.0 (optional)
Speaker	3W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Power Requirement	DC 12~24V
OS Support	Windows 7, Window 8.1, Linux

Display

Size / Type	15.6" LCD
Max. Resolution	1920 x 1080
Luminance(cd/m2)(TYP)	300 nits
Max. Colors	16.7 M
Viewing Angle	160°(H)/140°(V)
Contrast Ratio	700:1
Back Light Life Time	> 15,000 hours
Touch Screen	5-Wire Resistive / Capacitive Multi-Touch

I/O

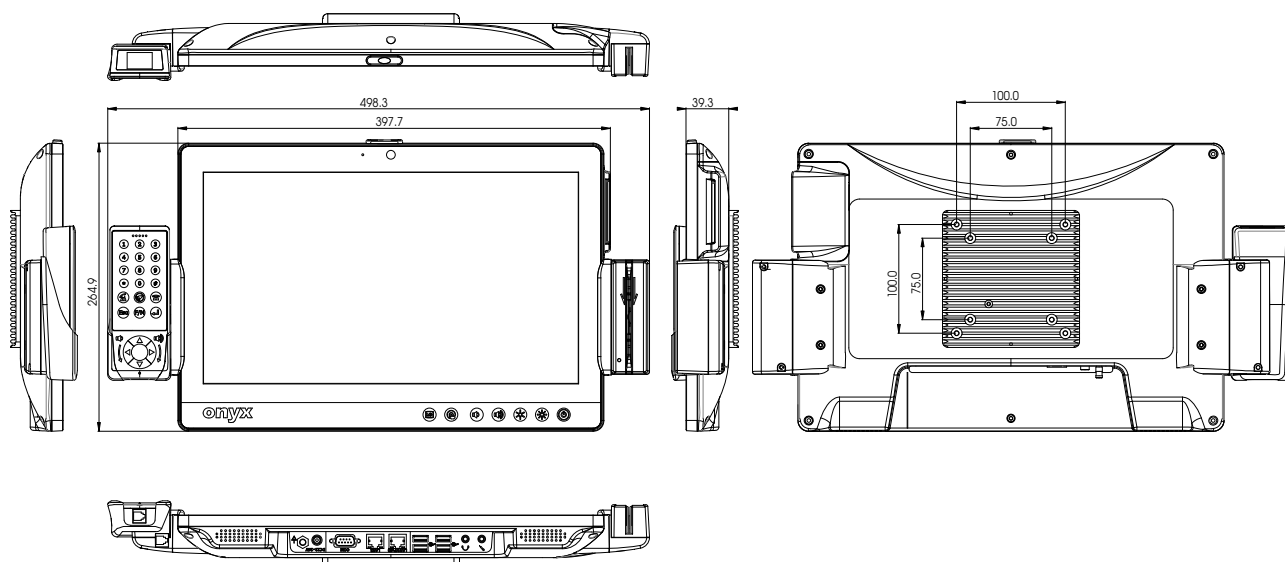
USB	USB 2.0 x 4
Serial Port	Isolated RS-232 x 1
Ethernet	Isolated Gigabit LAN x 2
Audio	Mic-in, Line-out

Mechanical and Environmental

Power Consumption	
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	4.0 kg (8.82lb)
Gross Weight	6.5 kg (14.33lb)
Package Dimension (W x D x H)	721 x 224 x 464 mm
Certifications	CE, FCC Class B Passed 18, cULus Mark/UL+VTC Report+ISO 14971 (CAN/CSA-C22.2NOo.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

15.6" Fanless Bedside Infotainment Touch Terminal

Dimension / Unit: mm



Ordering Information

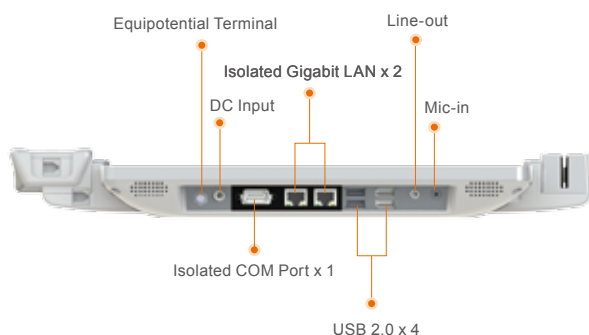
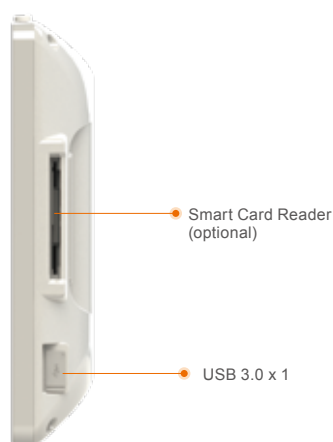
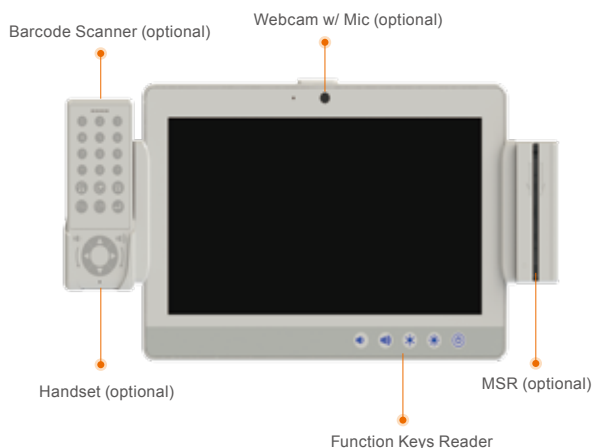
- » **ONYX-1531ET-A1-1010**
Slim Medical Panel PC, 15.6" LCD, Intel Celeron J1900, 2GB RAM, DC 12~24V, Resistive Touch
- » **ONYX-1531ST-A1-1010**
Slim Medical Panel PC, 15.6" LCD, Intel Celeron J1900, 2GB RAM, DC 12~24V, Capacitive Touch

Optional Accessories

- | | |
|--|--|
| <ul style="list-style-type: none"> » 1757306038
Medical Power Adapter, 60W, 12V » OPM-T008-A1
Smart Card Reader Kit » OPM-S02C-A1
Magnetic Stripe Reader Kit » OPM-S04R-A1
Smart Card Reader + RFID Reader Kit » OPM-T011-A1
2M Pixels Camera with Mic Kit » OPM-T009-A1
Handset Kit | <ul style="list-style-type: none"> » OPM-T009-A2
Handset & 2D Barcode Scanner Kit » OPM-C06W-A5
WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0L E/ 3.0HS / 2.1 EDR |
|--|--|

ONYX-1222

11.6" Fanless Bedside Infotainment Touch Terminal



Features

- Intel® Celeron J1900 2.42GHz Quad Core Processor
- 11.6" High Brightness 400-nit WXGA LCD
- Supports DDR3 SODIMM up to 8GB
- 5-wire Resistive Touch Screen / Capacitive Multi-Touch Screen
- Easy Cleaning Flat Screen
- 5 Programmable Smart Function Keys
- COM/LAN Medical Isolation
- High Speed USB 3.0 Port
- 2.0M Pixels Camera (optional)
- Handset w/2D Barcode Scanner (optional)
- Trusted Platform Module / Smart Card Reader(optional) / MSR(optional) / RFID (optional)
- +12V to +24V wide range DC input / Power over Ethernet
- IP54 Waterproof

Specifications

Main Specifications

Processor	Intel® Celeron J1900 Quad Core 2.42GHz
System Memory	Supports DDR3 SODIMM up to 8GB
Expansion Interface	Mini Card x 2
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1
Security	Trusted Platform Module, Smart Card Reader (optional), MSR (optional), RFID (optional)
Wireless Communication	802.11a/b/g/n(optional), Bluetooth 4.0 (optional)
Speaker	1W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Power Requirement	DC 12~24V / Power over Ethernet
OS Support	Windows 7, Window 8.1, Window 10, Linux

Display

Size / Type	11.6" LCD
Max. Resolution	1366 x 768
Luminance(cd/m2)(TYP)	400 nits
Max. Colors	16.7 M
Viewing Angle	170°(H)/170°(V)
Contrast Ratio	800:1
Back Light Life Time	> 15,000 hours
Touch Screen	5-Wire Resistive / Capacitive Multi-Touch

I/O

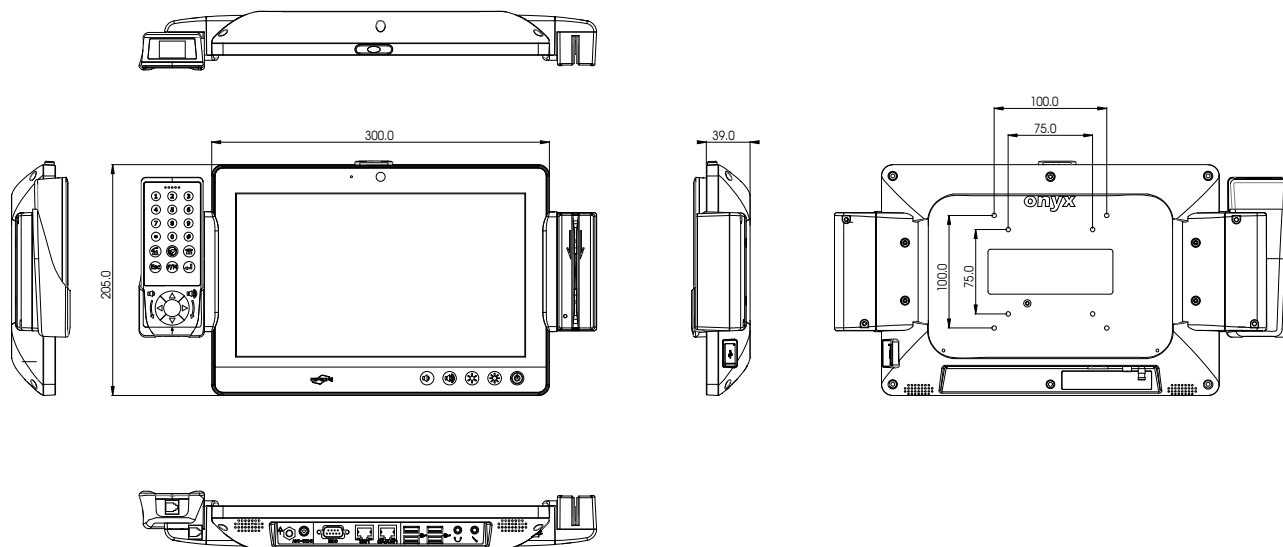
USB	USB 2.0 x 4, USB 3.0 x 1 (in side I/O)
Serial Port	Isolated RS-232 x 1
Ethernet	Isolated Gigabit LAN x 2
Audio	Mic-in, Line-out

Mechanical and Environmental

Power Consumption	Full Loading :22Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	IP65 in the front, IPX1
Net Weight	1.5kg (3.3lb)
Cross Weight	4kg (8.82lb)
Package Dimensions (W x D x H)	540 x 230 x 370 mm
Certifications	CE, FCC Class B Passed 18.cULus Mark/UL+VTC Report+ISO 14971 (CAN/CSA-C22.2NO6.60601-1-08; ANSI/AAMI ES60601-1:2005, EC 60601-1-1:2005, EN 60601-1:2006 ISO 14971)

11.6" Fanless Bedside Infotainment Touch Terminal

Dimension / Unit: mm



Ordering Information

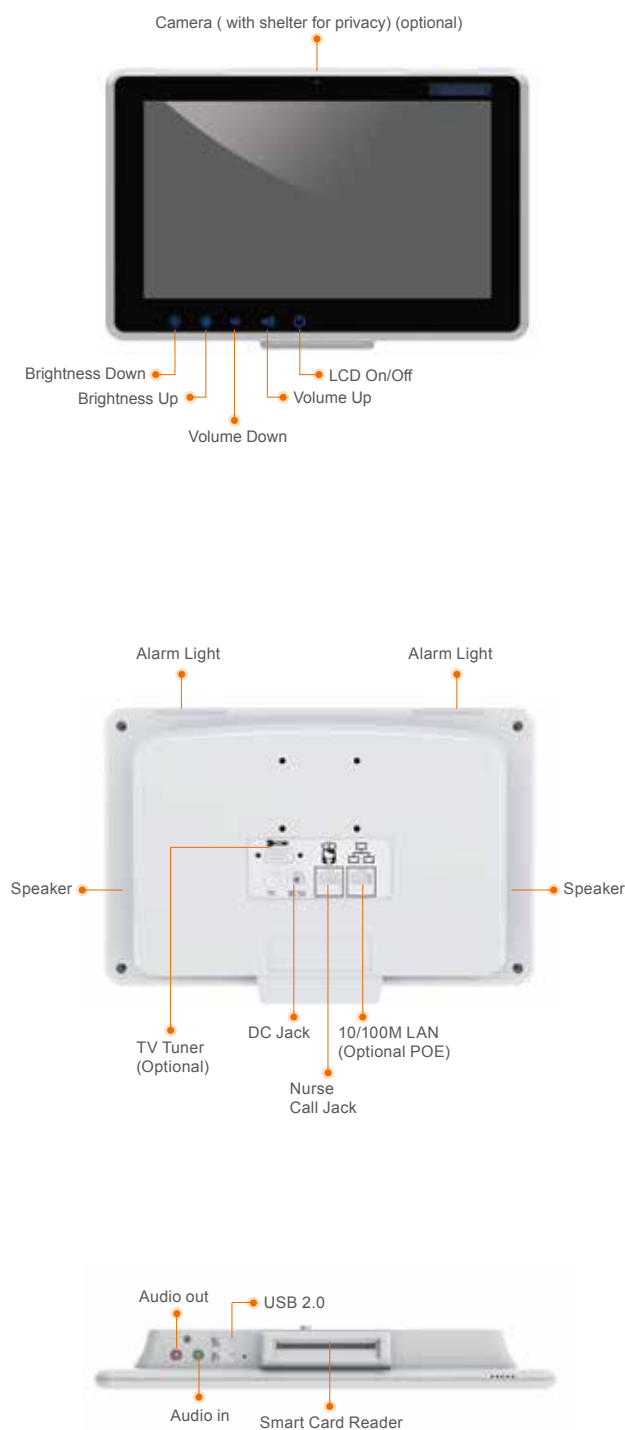
- » **ONYX-1222ET-A1-1010**
Slim Medical Panel PC, 11.6" LCD, Intel Celeron J1900, 2GB RAM, DC 12~24V, Resistive Touch
- » **ONYX-1222ST-A1-1010**
Slim Medical Panel PC, 11.6" LCD, Intel Celeron J1900, 2GB RAM, DC 12~24V, Resistive Touch , Capacitive Touch

Optional Accessories

- | | |
|---|---|
| <ul style="list-style-type: none"> » 1757306038
Medical Power Adapter, 60W, 12V » OPM-T010-A1
Smart Card Reader Kit » OPM-S02C-A2
Magnetic Stripe Reader Kit » OPM-S03R-A1
RFID/NFC Reader Kit.ISO 14443A/B.15693.18092 » OPM-T011-A1
2M Pixels Camera with Mic Kit » OPM-T009-A3
Handset Kit | <ul style="list-style-type: none"> » OPM-T009-A4
Handset & 2D Barcode Scanner Kit » OPM-C06W-A4
WLAN Kit, IEEE 802.11a/b/g/n + Bluetooth 4.0LE/ 3.0HS / 2.1 EDR » OPM-C09W-A3
WLAN Kit, IEEE 802.11ac/a/b/g/n + Bluetooth 4.0LE/ 3.0HS / 2.1 EDR » OPM-P30D-A10
Power over Ethernet kit |
|---|---|

ONYX-BE101

10.1" Android, RISC Infotainment Series



Features

- Cortex-A8 1GHz Processor
- Android 2.2/2.3 ready
- 10.1" PCT Multi-Touch Flat Screen(Double Glove)
- Fanless & Compact Design
- Hardware Decoder Support:
 - H.264 up to 1080i
 - MPEG4 up to 1080i
 - MPEG2 up to D1
- RFID / VOIP Phone Function (optional)
- Multimedia Entertainment: TV, VoIP, Web Radio
- WLAN b/g / BT2.1+EDR / Nurse Call Function (optional)
- POE (Power over Ethernet)

Specifications

Main Specifications

Processor	Cortex-A8 1GHz Processor
Chipset	512MB DDR2-533MHz
System Memory	N/A
OS Support Chipset	Android 2.2 Froyo (SW party developing AP & UI)
Expansion	1 x Smart Card Reader(RS-232 Interface) 1 x RFID (RS-232 Interface) 1 x Nursing Call Function (RJ-11 Interface)
Storage Disk Drive	System Storage: 512MB NAND Flash (Boot loader and Kernel) User Storage: 1 x Internal SD socket 1 x Smart Card Reader

Display

Size	10.1" Color TFT LED LCD
Resolution	1024 x 600
Max. Colors	16.7M
Luminance	200 nits
Dot Size(mm)	0.3 x 0.3
View Angle	40/45(H Right/Left) 15/35 (V Upper/Lower)
Contrast Ratio	400:1
Back Light Life Time	50,000 Hours
Touch Screen	PCT Multi-Touch Screen(Double Glove)

I/O

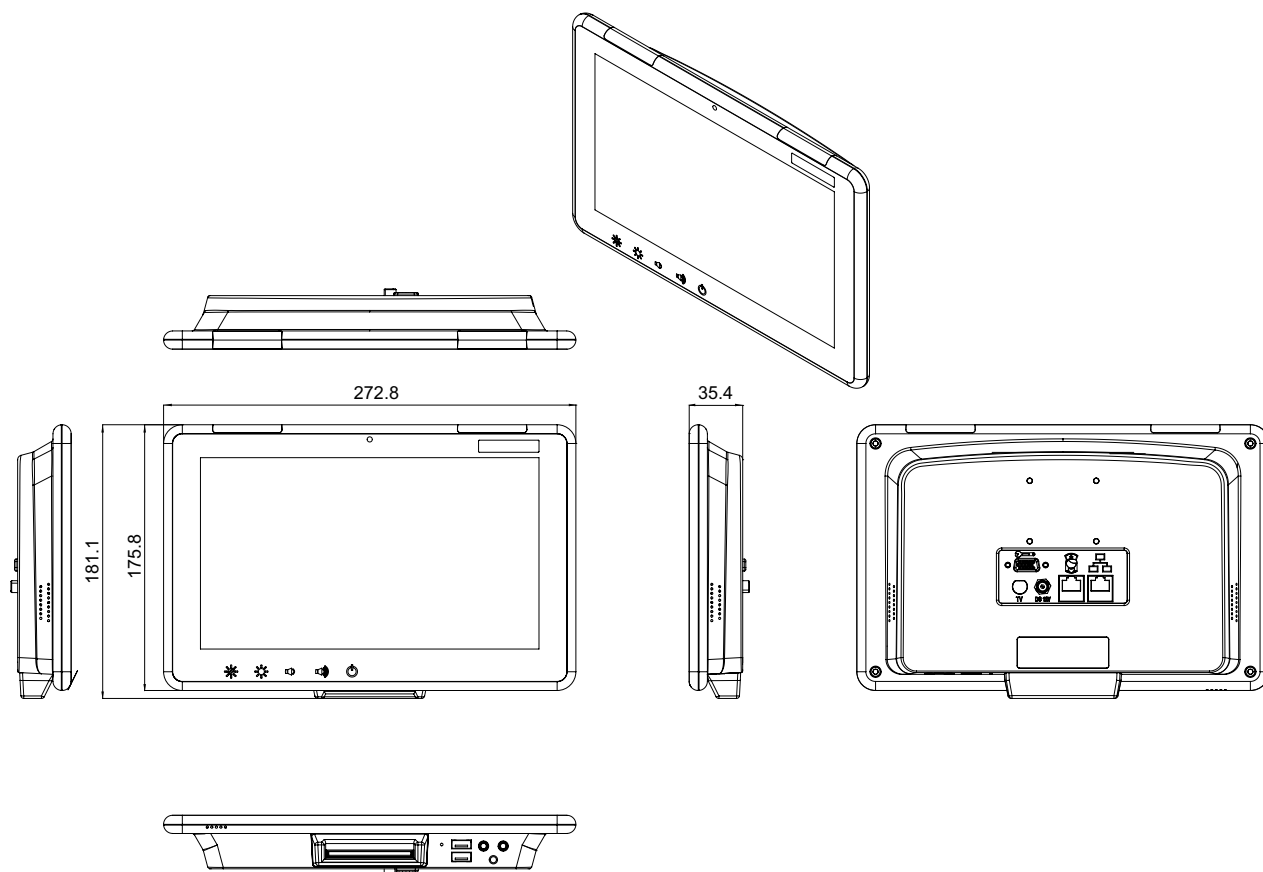
Audio	1 x Line out / Internal MIC
USB	2 x External USB2.0 (on bottom I/O)
Serial Port	1 x Internal RS-232 (Debug Port)
Ethernet	LAN 1:1 x10/100 Isolated Gigabit LAN w/POE(Optional)
Speaker	2 x 3W High Quality Speakers

Mechanical and Environmental

Power Consumption	Full Loading: 12.8Watts
Infection Control	Anti-Bacteria (Optional)
Power Requirement	DC 12V or Power Over Ethernet
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	Front Panel: IP65, Whole Unit: IPX1
Net Weight	0.75kg (1.65lb)
Cross Weight	7kg (15.43lb) (4sets, w/packing)
Package Dimensions (W x D x H)	395 x 362 x 350 mm
EMC	CE/FCC Class B, UL60950, EN60950

10.1" Android, RISC Infotainment Series

Dimension / Unit: mm



Ordering Information

» ONYX-BE101DT-A1-0110

Infotainment Terminal.Cortex-A8 1GHz..10.1".802.11bg.
BT2.0.DC12.C-TS.512M DDR2.256M NAND. SCR

» ONYX- BE101DT-F1-0110

Infotainment Terminal.Cortex-A8 1GHz.10.1".802.11bg.
BT2.0.DC12.C-TS.512M DDR2.256M NAND. SCR, RFID

Optional Accessories

» TF-OPM-P00A

Power Adaptor 30W/12V.UL 3rd Edition

» TF-PER-M83

100cm Adapter Extension Cable w/ 2.5mm DC Jack Plug

» TF-PER-M82

200cm Adapter Extension Cable w/ 2.5mm DC Jack Plug

» TF-PER-M84

300cm Adapter Extension Cable w/ 2.5mm DC Jack Plug

» TF-PER-M94

1~9KG Desktop VESA 75/100 mount

» TF-OPM-T000

Avermedia IPTV Server, 16 Channels DVB-T server machine

» TF-OPM-T010

Avermedia IPTV Server, 1 Channel Avercombo DVB-T Box machine

» OPM-P00DA02

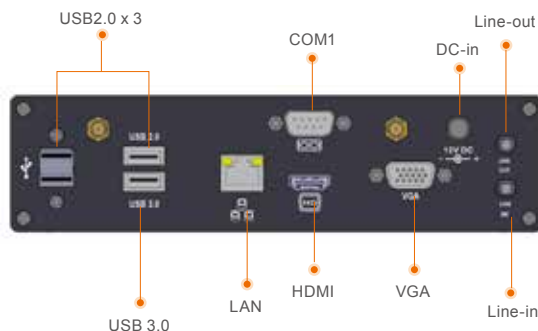
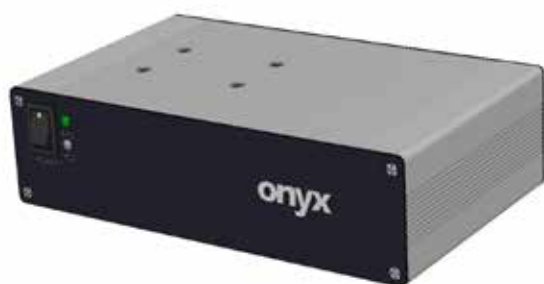
30 Watt Power Over Ethernet Module Kit

» Dispensable Earphone

High quality Medical use headset

MEDPC-2100

Fanless J1900 Quad Core Infotainment Box PC



Features

- Intel Bay Trail J1900 (Quad Core) 2GHz
- Multiple display output support
- Fanless easy clean design
- Mini Size

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control

Specifications

Main Specifications

Processor	Intel® Celeron J1900 (Quad Core) 2GHz
Video Chipset	Intel® HD Graphics
Display Memory	Shared Memory
System Memory	204-pin DDR3L support to 8GB
Expansion	1 x Half size Mini Card Slot ; 1 Mini card slot
System Storage	CFAST Cardx 1

I/O

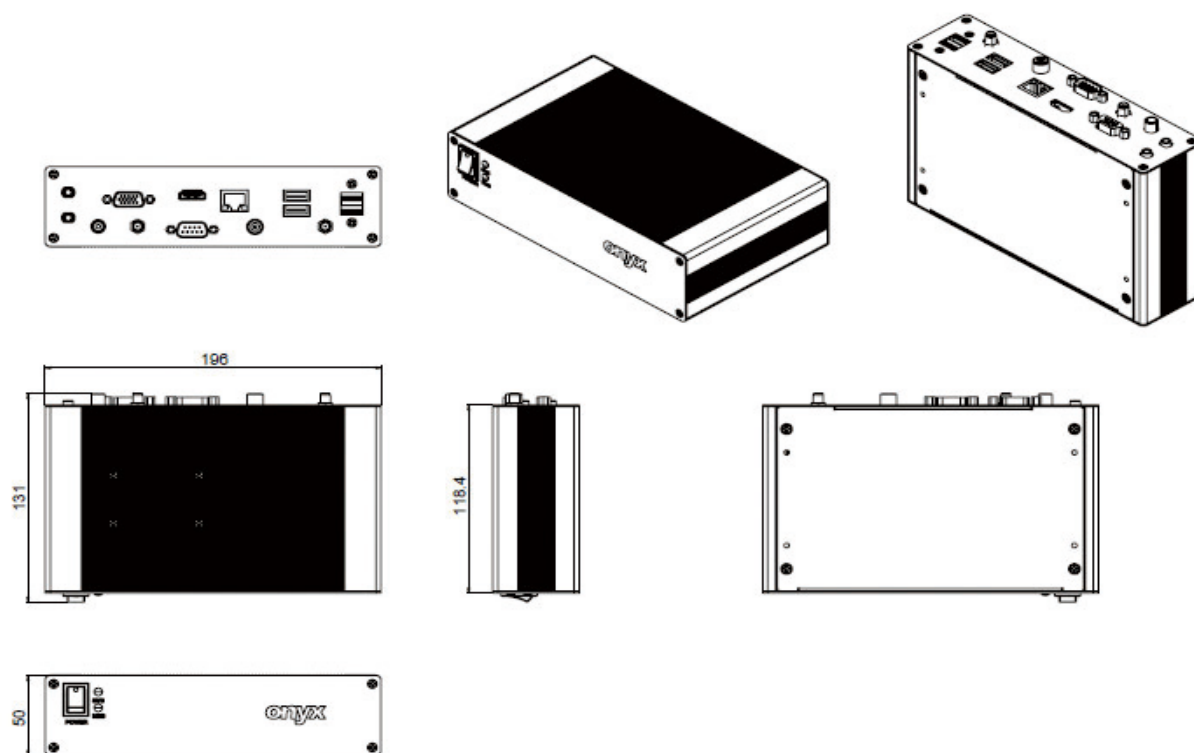
USB	USB 2.0 x 3, USB 3.0 x 1
COM Port	RS-232 x 1
Video Interface	VGA x 1, HDMI x 1
Power Jack	DC Power Input Connector
Ethernet	GbE LAN x 1 by RJ-45
SMA Connector	SMA Connector for WLAN antenna (removable) (optional)
Power Switch	1 Power switch button and 2 LED indicator (HDD, SYS) (Orange Red, Green)
Audio	Line out / Line-in

Mechanical and Environmental

Power Consumption	Full Loading: 38.453Watts
Power Requirement	DC 12V power input
Operating Temperature	0°C ~40°C(32°F ~104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Net Weight	1.2Kg (2.64lb)
Cross weight	2.4kg (5.28lb)
Package Dimension (W x D x H)	305 x 225 x 230 mm
EMC	CE EN 60601-1-2:2007, 47 CFR FCC Part 18 Class B, IEC 60601-1:2005; EN 60601-1:2006, ISO 14971:2007

Fanless J1900 Quad Core Infotainment Box PC

Dimension / Unit: mm



Ordering Information

» MEDPC-2100-A1-1010

Emb. Sys., J1900 2.42GHz, DC 12V, 2GB RAM, 1 LAN, 1 USB 3.0, 3 USB 2.0, 1 VGA, 1HDMI, 1 COM

Optional Accessories

» 1757306038

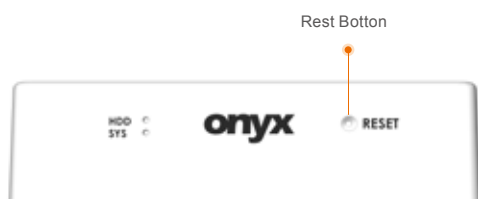
Medical Power Adaptor.100 ~ 240V.12V.5A.60W.DC.W/ Lock.Adapter.ATM065-P120

» OPM-C06W-A7

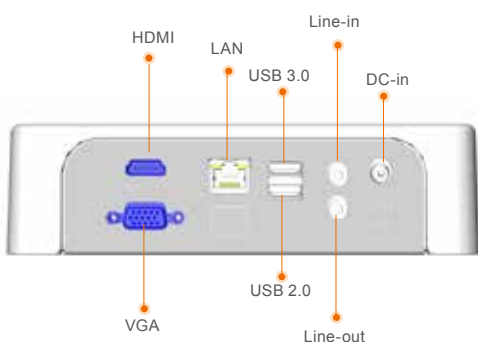
WLAN Kit.Atheros AR1111.802.11b/g/n+BT 4.0.Mini Card.dual white ext. antenna.for MEDPC-2100

MEDPC-1600

Fanless J1900 Quad Core Infotainment Box PC



Rest Button



Features

- Intel Bay Trail J1900 (Quad Core) 2GHz
- Multiple display output support
- Fanless easy clean design
- Mini Size

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control

Specifications

Main Specifications

Processor	Intel® Celeron J1900 (Quad Core) 2GHz
Video Chipset	Intel® HD Graphics
Display Memory	Shared Memory
System Memory	204-pin DDR3L support to 8GB
Expansion	1 x Half size Mini Card Slot ; 1 Mini card slot
System Storage	CFAST Cardx 1

I/O

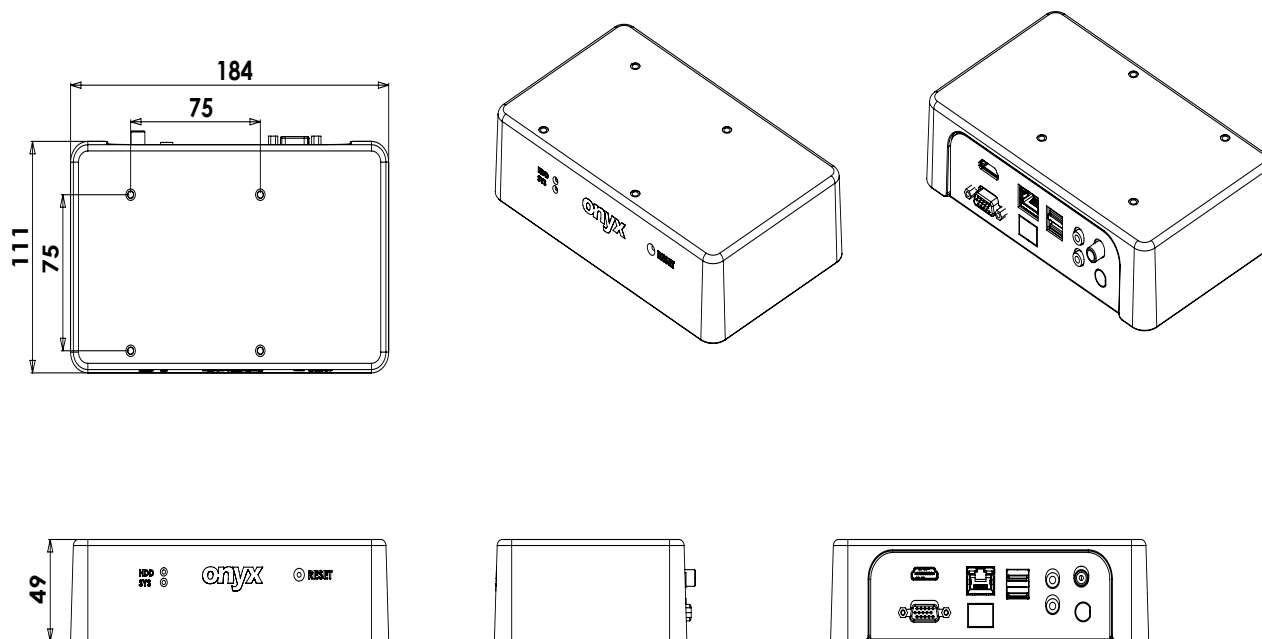
USB	USB 2.0 x 1, USB 3.0 x 1
Video Interface	VGA x 1, HDMI x 1
Power Jack	DC Power Input Connector
Ethernet	GbE LAN x 1 by RJ-45
SMA Connector	SMA Connector for WLAN antenna (removable) (optional)
Power Switch	Rest Button and 2 LED indicator (HDD, SYS) (Orange Red, Green)
Audio	Line out / Line-in

Mechanical and Environmental

Power Consumption	Full Loading: 38.453Watts
Power Requirement	DC 12V power input
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Net Weight	1.2Kg (2.64lb)
Cross weight	2.4kg (5.28lb)
Package Dimension (W x D x H)	305 x 205 x 230 mm
EMC	CE EN 60601-1-2:2007, 47 CFR FCC Part 18 Class B, IEC 60601-1:2005; EN 60601-1:2006, ISO 14971:2007

Fanless J1900 Quad Core Infotainment Box PC

Dimension / Unit: mm



Ordering Information

» MEDPC-1600-A1-1010

Emb, Sys., J1900 2.42GHz, DC 12V, 2GB RAM, 1 LAN, 1 USB 3.0, 1 USB 2.0, 1 VGA, 1HDMI

Optional Accessories

» 1757306038

Medical Power Adaptor.100 ~ 240V.12V.5A.60W.DC.W/ Lock.Adapter.ATM065-P120

» OPM-C06W-A7

WLAN Kit.Atheros AR1111.802.11b/g/n+BT 4.0.Mini Card.dual white ext. antenna.for MEDPC-2100

Healthcare Infotainment Accessory Selection

OPM-H13A-A1

OPM-H14A-A1

Easi Wall Mount Swivel ARM



Features

- Built in "Gas Spring" for easy movement
- Cable management
- Anti-bacteria coating (optional)

Specifications

Main Specifications

	OPM-H13A-A1	OPM-H14A-A1
Feature	Long ARM	
Tile	20° up and 35° down (display) 20° up and 60° down (arm)	
Mounting Option	Wall Mount Type	
VESA	75/100mm	
Material	Aluminum alloy and plastic cover	
Pivot	180°, 370°, 270° (wall, arm, display)	
Extension	1907mm	
Capacity	1~6Kg (2.2~13.2lbs)	6~12kg (13.2~26.4lbs)

OPM-H15A-A1

OPM-H16A-A1

Easi Ceiling Mount Swivel ARM



Features

- Built in "Gas Spring" for easy movement
- Cable management
- Anti-bacteria coating (optional)

Specifications

Main Specifications

	OPM-H15A-A1	OPM-H16A-A1
Feature	Ceiling Mount	
Tile	20° up and 35° down (display) 20° up and 60° down (arm)	
Mounting Option	Cell Mount Type	
VESA	75/100mm	
Material	Aluminum alloy and plastic cover	
Pivot	270°, 370°, 270° (ceiling, arm, display)	
Extension	1927mm	
Capacity	1~6Kg	6~12kg

Mobile Cart Computer

Healthcare Infotainment Accessory Selection

OPM-H04A

Ergonomic Wall Mount Swivel ARM



Features

- Durable and easy to clean
- Double Gas springs assisted for high vertical movement
- Fully cable managed

Specifications

Main Specifications

Feature	Long ARM
Tilt	20° up and 40° down
Mounting Option	Wall Mount Type
Material	Aluminum alloy and plastic cover
Arm swivel	180°
Overall reach	1700mm
Capacity	1~8Kg

Mobile Medical Assistant

ONYX Medical Tablet is specially tailored for hospital application. With its ultra slim design, it is easy to be handled by a hospital staff. The Medical Tablet has Medical certification and built-in good performance CPU to provide the good using experience to the user.

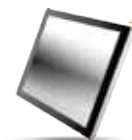


Key Features

- » » Thin and light weight design, users can handle the device easily
- » » Windows 8.1 OS
- » » Suitable for all medical staffs in hospital, homecare and ambulance
- » » Medical certification and long longevity

✚ Light weight & compact size

The weight of MD80 is less than 450g, and the compact size design let user can easy to carry the device to anywhere they want.



✚ 10 points PCT touch Screen

Multi-touch has been implemented in several different ways. MD80 provides 10 points touch functions to the user to do any control missions.



✚ Windows OS support

MD80 is supported by Windows OS which has good compatibility to the other medical device. The same windows user interface let user can easy to make use of the device.



✚ Wi-Fi and Bluetooth V4.0 support

MD80 has designed Wi-Fi 802.11b/g/n and 2.4GHz/ BT v4.0 inside. It help user easy to receive and deliver the medical data to other devices.



✚ Long term product life time support

ONYX provides stable and long term support to our customers. Customers could focus on business promotion and product development.





Features

- Equipped with a brilliant 11.6-inch IPS panel for ultra wide degree viewing angle
- Full 1080p video playback
- Various network connectivity including 4G LTE for option
- Optional Docking External Solution
- Ambulance Use

Specifications

Main Specifications

Processor	Intel Bay Trail Celeron J1900 2GHz ARM Cortex™-A9 core architecture
System Memory	DDR4 4GB
OS Support	Windows 10
System Storage	M2 64GB/128GB
Power Supply	Polymer battery 3200mAh x 2

Display

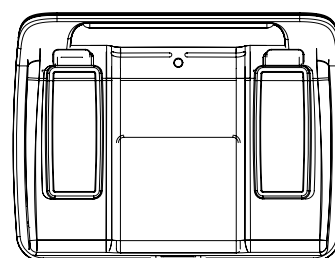
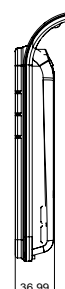
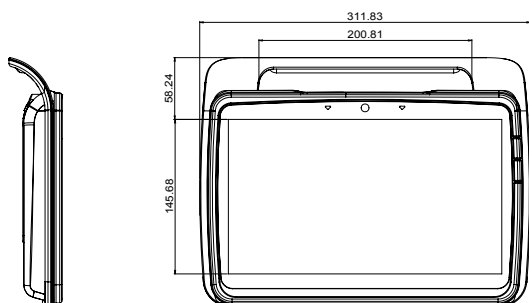
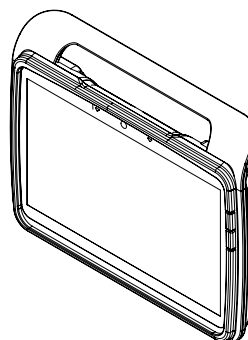
Size	11.6 inch Wide Screen
Resolution	1920x1080
Touch Screen	10 points multi-touch screen

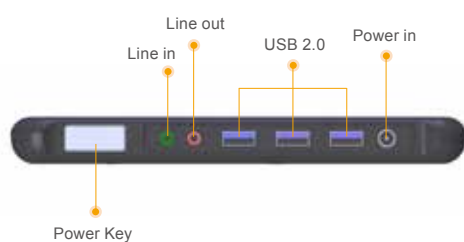
I/O

Interface	USB3.0 x 2, Smart Card Reader x 2, Microphone x 1
Wireless	802.11b/g/n Bluetooth® 4.0 (Classic mode)
Camera	3.0MP camera (Front) and 5.0MP camera (Rear)

Mechanical and Environmental

Power Supply	Polymer battery 3200mAh x 2 12-24V DC Input
Net Weight	Approx. 2.2kg
Dimensions(W x D x H)	312 x 239 x 37 mm (WxDxH)





Features

- Intel Apollo Lake Quad Core Processor
- 1280 x 800
- 10.1" display
- Ultra Slim & Compact Design
- DICOM Calibrated Screen (Optional)
- 10 points PCT Touch Screen

Specifications

Main Specifications

Processor	Intel® Apollo Lake Quad Core Processor
System Memory	DDR3L 1867MHz up to 8GB
OS Support	Windows 7, Windows 8.1, Windows 10
System Storage	32GB eMMC NAND
Navigation	GPS Broadcom BCM4752
Battery Capacity	5000mAh (18.5Wh / 3.7V) (typ.)
Power Supply	5V/4A with 2.5mm DC-Jack

Display

Size	10.1" Display
Resolution	1280x800
Max. Colors	262K
Luminance (Typ.)	300 cd/m2
View Angle (Typ.)	170°(H) / 170°(U)
Touch Screen	10 points touch

I/O

I/O- Tablet	1 x DC-in 1 x Micro SD
Audio	1 x 3.5mm Audio Jack
USB	1 x Micro USB (Host mode)
Wireless	Wi-Fi 802.11b/g/n , 2.4GHz/BT V4.0
Camera	5MAF Rear Camera, 2MP Front Camera
Speaker	1W X 1 Mono Speaker, Single microphone

Mechanical and Environmental

Power consumption	Full Loading: 3Watts
Rear Cover	Plastic
Operating Temperature	0°C ~ 40°C(32°F ~104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~140°F)
Net Weight	TBD
Cross weight	TBD
Dimensions(W x D x H)	TBD
Certification	CE/FCC Class B, EN60601-1 ANSI/AAMI ES60601-1

Medical Display Series Solution

Worldwide Medical Safety Standard Approval

All display meets the strictest medical, safety and EMC emissions standards including CE/FCC Class B Passed 18, EN 60601-1:2006



Key Features

- » » 15"~24" Medical Grade Display
- » » Touch function support
- » » Low power consumption with LED back light panel



+ Small to Large LCD Display Choices

The Onyx slim display offers many LCD sizes to fulfill various requirements. 15" (1024 x768), 17" (1280x1024), 18.5" (1366x768), 19" (1280x1024), 21.5" (1920x1080), 22" (1920x1080), 24" (1920x1080)



+ Frabjous Touch experience

RT touchscreen solution can also be operated with gloved fingers and bare fingers alike and PCT touchscreen solution enable users enjoy multi-touch function.



+ Green and Low power consumption

LED(light emitting diodes) backlighting technology, which offer the advantages over CCFL LCDs of reduced power consumption, better contrast, brightness and color range.



+ Long term product life time support

ONYX provides stable and long term support to our customers. Customers could focus on business promotion and product development.



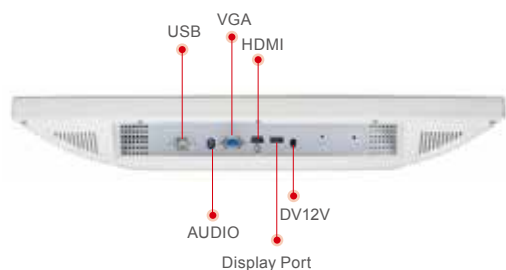
+ Flexibility for customization request to medical equipment

Still couldn't find the perfect match to your request? Don't worry about it. ONYX could base your demand to provide the best solution.



MEDDP-524

24" Slim Medical LCD Monitor



Features

- 24" LCD Panel with LED Backlight
- Compact and Terse Design
- VGA x 1, HDMI x 1, DP x1
- Wide view angle 178°(H)/178°(V)
- True Flat Screen with PCT Touch
- Invisible OSD Design
- CE/FCC Class B Passed18, EN60601-1:2006
- Low Power Consumption

Specifications

Display

Size	24"
Resolution	Full HD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	300 nits
Viewing Angle (CR=10)(Typ.)	178°(H)/178°(V)
Contrast Ratio (Typ.)	5000:1
Touch Screen	Projective capacitive touch screen (optional)

System

OS Support	Windows® XP, Window® 7, Window® 10
DICOM Support	Optional

I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, HDMI x 1, DP x 1
Speaker	2W speaker x 2 on back side

Mechanical and Environmental

Power Consumption	Full Loading :34.7Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	7.1kg (17.42lb)
Net Weight	5.6kg (14.99lb)
Package Dimension (W x D x H)	670 x 524 x 260 mm
EMC	CE/FCC Class B Passed 18, ISO14971, EN 60601-1:2006, UL60601 ver 3.0

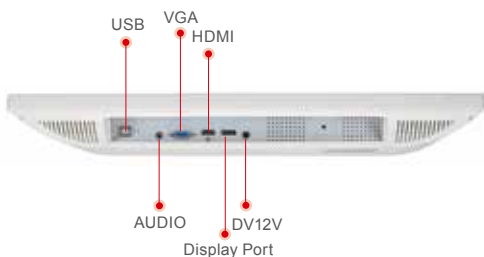
Ordering Information

- » MEDDP-524HPN-A1-1010
LCD Monitor.24 300nits LED 2.DC 12V.C-TS.Med adapter
- » MEDDP-524HNN-A1-1010
LCD Monitor.24 300nits LED 2.DC 12V.Med adapter
- » MEDDP-524TPD-A1-1010
LCD Monitor.24 300nits LED 2.DC 12V.C-TS.Med adapter. DICOM
- » MEDDP-524TND-A1-1010
LCD Monitor.24 300nits LED 2.DC 12V.Med adapter. DICOM

Medical Display Series Solution

MEDDP-522

22" Slim Medical LCD Monitor

**Features**

- 21.5" LCD Panel with LED Backlight
- Compact and Terse Design
- Wide View Angle 178°(H)/178°(V)
- VGA x 1, HDMI x 1, DP x1
- True Flat Screen with PCT Touch
- Invisible OSD Design
- CE/FCC Class B Passed18, EN60601-1:2006
- Low Power Consumption

Specifications**Display**

Size	21.5"
Resolution	Full HD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	250 nits
Viewing Angle (CR=10)(Typ.)	178°(H)/178°(V)
Contrast Ratio (Typ.)	5000:1
Touch Screen	Projective capacitive touch screen (optional)

System

OS Support	Windows® XP, Window® 7, Window® 10
DICOM Support	Optional

I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, HDMI x 1, DP x 1
Speaker	2W speaker x 2 on back side

Mechanical and Environmental

Power Consumption	Full Loading :28.2Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	6.6kg (14.99lb)
Net Weight	5.4kg (12.57lb)
Package Dimension (W x D x H)	570 x 469 x 256 mm
EMC	CE/FCC Class B Passed 18, ISO14971, EN 60601-1:2006, UL60601 ver 3.0

Specifications

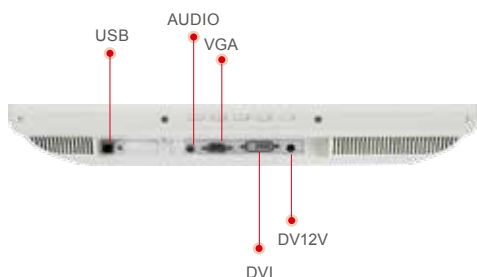
- » MEDDP-522HPN-A1-1010
MEDDP.21.5".1A1DP1H.PCAP.W.12V adapter
- » MEDDP-522HNN-A1-1010
MEDDP.21.5".1A1DP1H.W.12V adapter
- » MEDDP-522TPD-A1-1010
MEDDP.15".1A1DP1H.RESI.DICOM.W.12V adapter
- » MEDDP-522TND-A1-1010
MEDDP.21.5".1A1DP1H.DICOM.W.12V adapter

MEDDP-519

19" Slim Medical LCD Monitor



CE FC



Features

- 19" LCD Panel with LED Backlight
- Compact and Terse Design
- VGA x 1, DVI x1
- 5 wire resistive touch screen
- CE/ FCC Class B Passed 18, EN60601-1:2006
- Low Power Consumption

Specifications

Display

Size	19"
Resolution	1280 x 1024
Max. Colors	16.7M
Brightness (Typ.)	350 nits
Viewing Angle (CR=10)(Typ.)	170°(H)/160°(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	5 wire resistive touch screen (optional)

System

OS Support	Windows®XP, Window® 7, Window® 10
DICOM Support	Optional

I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, DVI x 1
Speaker	1W speaker x 1 on back side

Mechanical and Environmental

Power Consumption	Full Loading :35.5Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	5.3kg (13.67lb)
Net Weight	4.6kg (10.14lb)
Package Dimension (W x D x H)	484 x 501 x 150 mm
EMC	CE/FCC Class B Passed 18, ISO14971, EN 60601-1:2006

Ordering Information

- » MEDDP-519ARN-A1-1010
LCD Monitor.19 350nits LED.DC 12V.R-TS.Med adapter
- » MEDDP-519ANN-A1-1010
LCD Monitor.19 350nits LED.DC 12V.Med adapter
- » MEDDP-519TRD-A1-1010
MEDDP.19".1A1DP1H.RESI.DICOM.B.12V adapter
- » MEDDP-519TND-A1-1010
MEDDP.19".1A1DP1H.DICOM.B.12V adapter

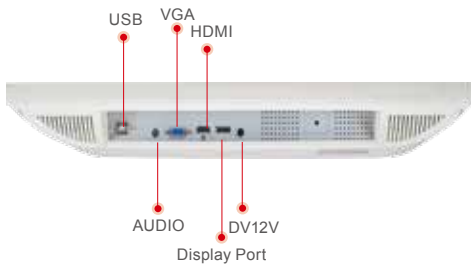
Medical Display Series Solution

MEDDP-518

18.5" Slim Medical LCD Monitor



CE FC

**Features**

- 18.5" LCD Panel with LED Backlight
- Compact and Terse Design
- VGA x 1, HDMI x 1, DP x1
- True Flat Screen with PCT Touch
- Invisible OSD Design
- CE/FCC Class B Passed18, EN60601-1:2006
- Low Power Consumption

Specifications**Display**

Size	18.5"
Resolution	1366 x 768
Max. Colors	16.7M
Brightness (Typ.)	250 nits
Viewing Angle (CR=10)(Typ.)	170°(H)/160°(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projective capacitive touch screen (optional)

System

OS Support	Windows® XP, Window® 7, Window® 10
DICOM Support	Optional

I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, HDMI x 1, DP x 1
Speaker	2W speaker x 2 on back side

Mechanical and Environmental

Power Consumption	Full Loading :18Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	4.8kg (10.58lb)
Net Weight	3.7kg (8.16lb)
Package Dimension (W x D x H)	498 x 438 x 256 mm
EMC	CE/FCC Class B Passed 18, ISO14971, EN 60601-1:2006

Specifications

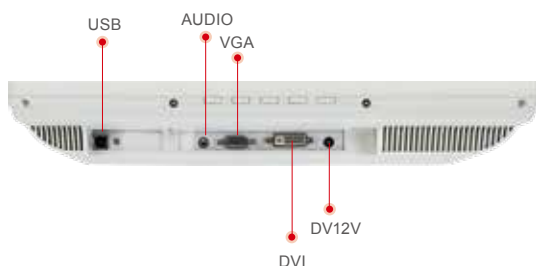
- » MEDDP-518HPN-A1-1010
MEDDP.18.5".1A1DP1H.PCAP.W.12V adapter
- » MEDDP-518HNN-A1-1010
MEDDP.18.5".1A1DP1H.W.12V adapter
- » MEDDP-518TPD-A1-1010
MEDDP.18.5".1A1DP1H.PCAP.DICOM.W.12V adapter
- » MEDDP-518TND-A1-1010
MEDDP.18.5".1A1DP1H.DICOM.W.12V adapter

MEDDP-517

17" Slim Medical LCD Monitor



CE FC



Features

- 17" LCD Panel with LED Backlight
- Compact and Terse Design
- View Angle 170°(H)/160°(V)
- VGA x 1, DVI x1
- 5 wire resistive touch screen
- CE/ FCC Class B Passed 18, EN60601-1:2006
- Low Power Consumption

Specifications

Display

Size	17"
Resolution	1280 x 1024
Max. Colors	16.7M
Brightness (Typ.)	350nits
Viewing Angle (CR=10)(Typ.)	170°(H)/160°(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	5 wire resistive touch screen (optional)

System

OS Support	Windows®XP, Window® 7, Window® 10
DICOM Support	Optional

I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, DVI x 1
Speaker	1W speaker x 1 on back side

Mechanical and Environmental

Power Consumption	Full Loading :31Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	4.1kg (9.04lb)
Net Weight	3.6kg (7.94lb)
Package Dimension (W x D x H)	430 x 449 x 149 mm
EMC	CE/FCC Class B Passed 18, ISO14971, EN 60601-1:2006

Ordering Information

- » MEDDP-517ARN-A1-1010
MEDDP.17".1A1D.RESI.W.12V adapter
- » MEDDP-517ANN-A1-1010
MEDDP.17".1A1D.W.12V adapter
- » MEDDP-517TRD-A1-1010
MEDDP.17".1A1DP1H.RESI.DICOM.W.12V adapter
- » MEDDP-517TND-A1-1010
MEDDP.17".1A1DP1H.DICOM.W.12V adapter

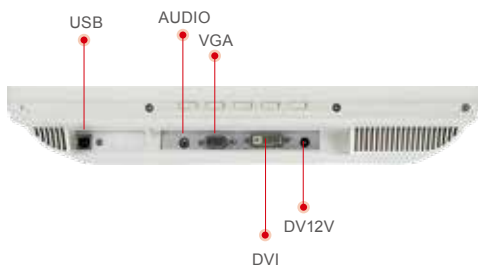
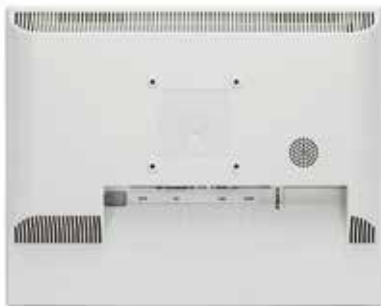
Medical Display Series Solution

MEDDP-515

15" Slim Medical LCD Monitor



CE FC

**Features**

- 15" LCD Panel with LED Backlight
- Compact and Terse Design
- Wide View Angle 160°(H)/130°(V)
- VGA x 1, DVI x1
- 5 wire resistive touch screen
- CE/ FCC Class B Passed 18, EN60601-1:2006
- Low Power Consumption

Specifications**Display**

Size	15"
Resolution	1024 x 768
Max. Colors	16.2M
Brightness (Typ.)	450 nits
Viewing Angle (CR=10)(Typ.)	150°(H)/130°(V)
Contrast Ratio (Typ.)	800:1
Touch Screen	5 wire resistive touch screen (optional)

System

OS Support	Windows® XP, Window® 7, Window® 10
DICOM Support	Optional

I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, DVI x 1
Speaker	1W speaker x 1 on back side

Mechanical and Environmental

Power Consumption	Full Loading :22.8Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	3.4kg (7.5lb)
Net Weight	2.8kg (6.17lb)
Package Dimension (W x D x H)	406 x 418 x 136 mm
EMC	CE/FCC Class B Passed 18, ISO14971, EN 60601-1:2006

Specifications

- » MEDDP-515ARN-A1-1010
MEDDP.15".1A1D.RESI.W.12V adapter
- » MEDDP-515ANN-A1-1010
MEDDP.15".1A1D.W.12V adapter
- » MEDDP-515TRD-A1-1010
MEDDP.15".1A1DP1H.RESI.DICOM.W.12V adapter
- » MEDDP-515TND-A1-1010
MEDDP.15".1A1DP1H.DICOM.B.12V adapter

MEDPC Series

Dependable, Ready to Use Platform for Medical Equipment & OEM/ODM

MEDPC series is designed to achieve the high requirements of Hospital IT field and medical task that a hospital has. Its fanless design ensures that it will be quiet, and stop infection spreading from hiding in the fan. It has wide selections of up-to-date upgrades, and it has 5-7 lifecycle. Best of all, this Medical Grade Computer is already medical certified just like all of our products.



Key Features

- » » Medical certification with high performance CPU
- » » Fanless design and no bacterial infection concern
- » » Flexible function extension ability
- » » Different options for different purpose

✚ Ready-to-use Medical Certified Platform

MEDPC is certified with EN 60601-1, UL 60601-1, FCC & CE Class B regulation. Detailed ISO 13485 and 14971 Risk Management Control guarantee product quality.



✚ Latest/Current Off-the-shelf Processor

From Intel® Quad Core i7, to Atom™ series, you can choose the best processor for the system. No matter for imaging capturing, data analyzing, photo viewing, or just EMR storage, you can always find right chipset.



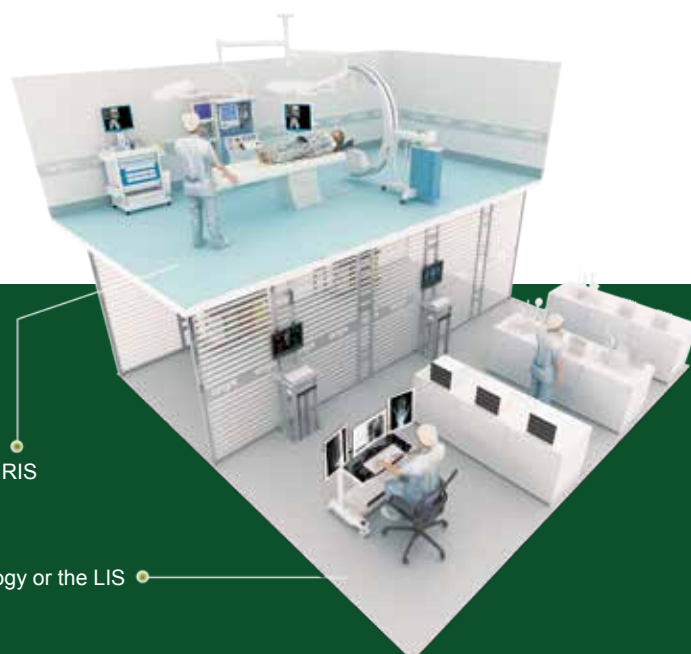
✚ Unique Medical Device Functions

MedPC products with IP-X1 enclosure are easy to clean with detergent and water splitting proof. Isolated IO interfaces like Ethernet, COM and USB let system connect to other medical device or accessories risk free.



✚ 5-7 Year Longevity Lifecycle Support

Your time and efforts can now focus on business promotions and product development. A careful design and vendor approval approach as well as scheduled reviews, minimizes unwelcome surprises during the product life cycle.



Biotechnology / Lab



His / NIS



RIS

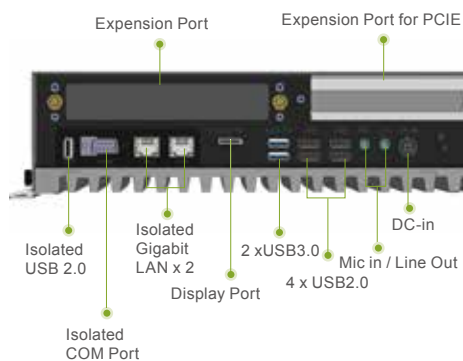


Pharmaceutical

MEDPC Series for Medical Equipment & OEM/ODM

MEDPC-5800

Fanless Medical Grade Box PC with Dual Core i7 Processor



Features

- Intel® Dual Core i7 Processor
- Multiple display output support versatile dual display function (optional)
- Easy clean design (fanless / no airhole)
- Top cover with IPX1 water proof protection
- PCI Express [*16], Mini Card *2
- High Speed USB3.0 Ports
- Isolated I/O interface(COM, USB, LAN)
- CE / FCC Class B Passed 18, IEC 60601-1-1:2005, EN 60601-1:2006

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control

Specifications

Main Specifications

Processor	Intel® Dual Core i7-3555LE Dual Core up to 3.1GHz Intel® Dual Core i3-3217UE Dual Core 1.6GHz Intel® Celeron 847E Dual Core 1.1GHz
System Memory	Supports Dual Channel DDR3 SODIMM up to 16GB
Chipset	Intel® QM77
OS Support	Windows® 7, Windows® 8, Linux®
Remote Management	Intel® Active Management Technology
Expansion Interface	PCI Express[1 x16] x 1(optional) , Mini Card x 2
Storage Disk Drive	2.5" SATA (SSD only)
Wireless Communication	802.11b/g/n (optional), Bluetooth 3.0HS & 4.0 (optional)
Power Requirement	DC12 ~ 24V

I/O

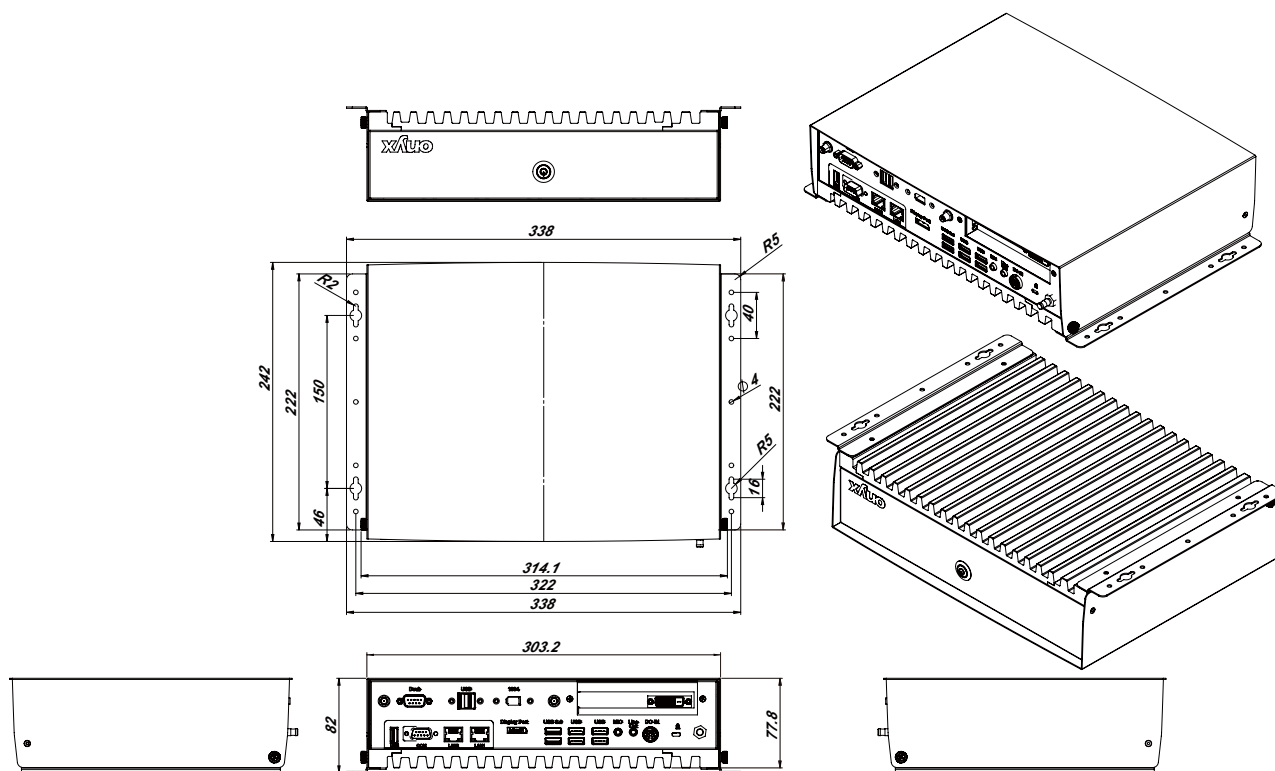
USB	4KV Isolated USB2.0 x 1, USB 2.0 x 4, USB 3.0 x 2
Serial Port	4KV Isolated RS-232 x 1
Ethernet	4KV Isolated Gigabit LAN x 2
Serial Port	Display Port x 1, Support resolution up to 2560 x 1600
Audio	Mic-in, Line-out

Mechanical and Environmental

Power Consumption	Full loading: 71.10Watts
Power Requirement	Full loading: 60Watts
Operating Temperature	0°C ~ 30°C(32°F ~ 86°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Net Weight	5.2kg (11.46lb)
Cross weight	6.7kg (14.77lb)
Package Dimension (W x D x H)	400 x 210 x 410 mm
Certification	CE/ FCC Class B Passed 18, IEC 60601-1-1:2005, EN 60601-1:2006, ISO 14971:2007

Fanless Medical Grade Box PC with Dual Core i7 Processor

Dimension / Unit: mm



Ordering Information

- | | |
|--|--|
| » MEDPC-5800-A1-1010
MedPC.Intel i7-3555LE.Fanless. DC12~24V.4GB RAM | » MEDPC-5800-A2-1010
MedPC.Intel i7-3555LE.Fanless. DC12~24V.8GB RAM |
| » MEDPC-5800-A1-1020
MedPC.Intel i3-3555LE.Fanless. DC12~24V.4GB RAM | » MEDPC-5800-A2-1020
MedPC.Intel i3-3555LE.Fanless. DC12~24V.8GB RAM |
| » MEDPC-5800-A1-1030
MedPC.Intel Celeron 487E.Fanless. DC12~24V.4GB RAM | » MEDPC-5800-A2-1030
MedPC.Intel Celeron 487E.Fanless. DC12~24V.8GB RAM |

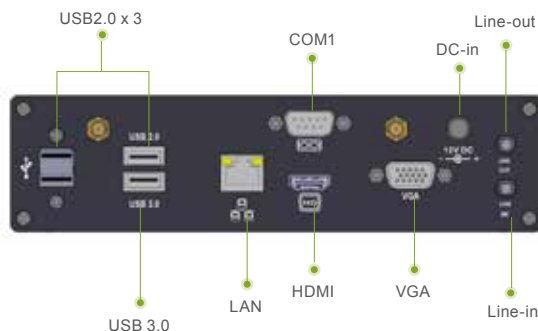
Optional Accessories

- » 1757213000
Medical Power Adapter, 130W, 24V
- » OPM-C03W-A1
WLAN Kit.Atheros AR1111.802.11b/g/n+BT 4.0.Mini Card.dual white ext. antenna
- » OPM-V00T-A1
1 VGA, 1 DP, 1 Firewire kit for MEDPC-5800
- » OPM-V00T-A2
1DP, 1 port 1394A, 2 port 1394B Kit for MEDPC-5800
- » OPM-V00T-A3
2 com, 2 USB 2.0 kit for MEDPC-5800
- » OPM-V00T-A4
PCIe riser card kit for MEDPC-5800

MEDPC Series for Medical Equipment & OEM/ODM

MEDPC-2100

Ultra slim Intel Bay Trail SoC Embedded Platform for HIT



Features

- Intel Bay Trail J1900 (Quad Core) 2GHz
- Multiple display output support
- Fanless easy clean design
- Mini Size

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control

Specifications

Main Specifications

Processor	Intel® Celeron J1900 (Quad Core) 2GHz
Video Chipset	Intel® HD Graphics
Display Memory	Shared Memory
System Memory	204-pin DDR3L support to 8GB
Expansion	1 x Half size Mini Card Slot ; 1 Mini card slot
System Storage	CFAST Cardx 1

I/O

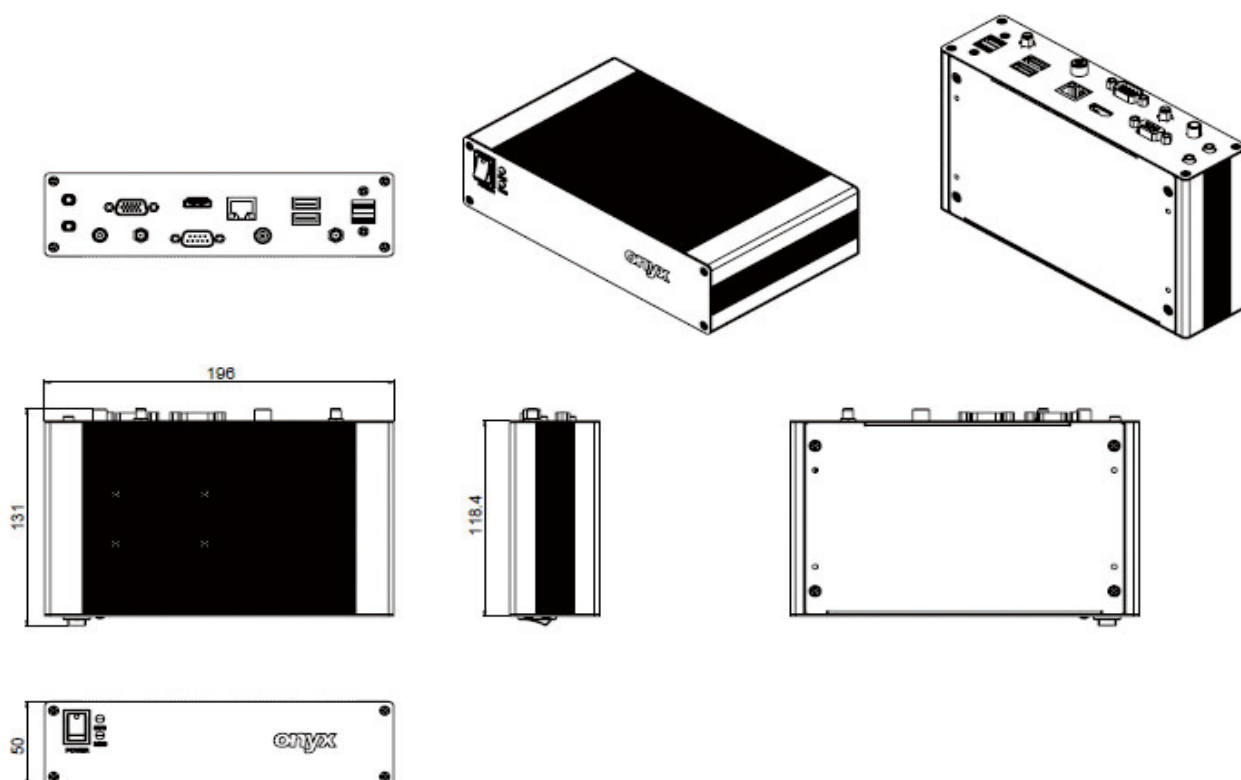
USB	USB 2.0 x 3, USB 3.0 x 1
COM Port	RS-232 x 1
Video Interface	VGA x 1, HDMI x 1
Power Jack	DC Power Input Connector
Ethernet	GbE LAN x 1 by RJ-45
SMA Connector	SMA Connector for WLAN antenna (removable) (optional)
Power Switch	1 Power switch button and 2 LED indicator (HDD, SYS) (Orange Red, Green)
Audio	Line out / Line-in

Mechanical and Environmental

Power Consumption	Full Loading: 38.453Watts
Power Requirement	DC 12V power input
Operating Temperature	0°C ~40°C(32°F ~104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Net Weight	1.2Kg (2.64lb)
Cross weight	2.4kg (5.28lb)
Package Dimension (W x D x H)	305 x 225 x 230 mm
EMC	CE EN 60601-1-2:2007, 47 CFR FCC Part 18 Class B, IEC 60601-1:2005; EN 60601-1:2006, ISO 14971:2007

Ultra slim Intel Bay Trail SoC Embedded Platform for HIT

Dimension / Unit: mm



Ordering Information

» MEDPC-2100-A1-1010

Emb. Sys., J1900 2.42GHz, DC 12V, 2GB RAM, 1 LAN, 1 USB 3.0, 3 USB 2.0, 1 VGA, 1HDMI, 1 COM

Optional Accessories

» 1757306038

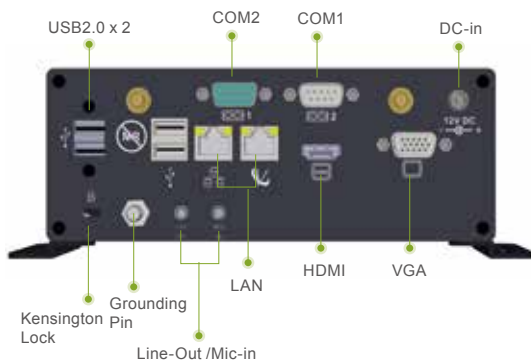
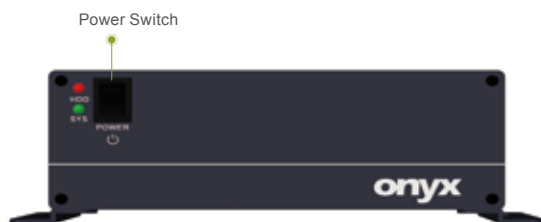
Medical Power Adaptor.100 ~ 240V.12V.5A.60W.DC.W/ Lock.Adapter.ATM065-P120

» OPM-C06W-A7

WLAN Kit.Atheros AR1111.802.11b/g/n+BT 4.0.Mini Card.dual white ext. antenna.for MEDPC-2100

MEDPC-2000

Intel Bay Trail SoC Embedded Platform for HIT



Features

- Intel Bay Trail J1900 (Quad Core) 2GHz
- Multiple display output support
- Fanless easy clean design
- Compact Size

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control

Specifications

Main Specifications

Processor	Intel® Celeron J1900 (Quad Core) 2GHz
Video Chipset	Intel® HD Graphics
Display Memory	Shared Memory
System Memory	204-pin DDR3L support to 8GB
Expansion	1 x Half size Mini Card Slot
System Storage	2.5" SATA HDD / SSD x 1

I/O

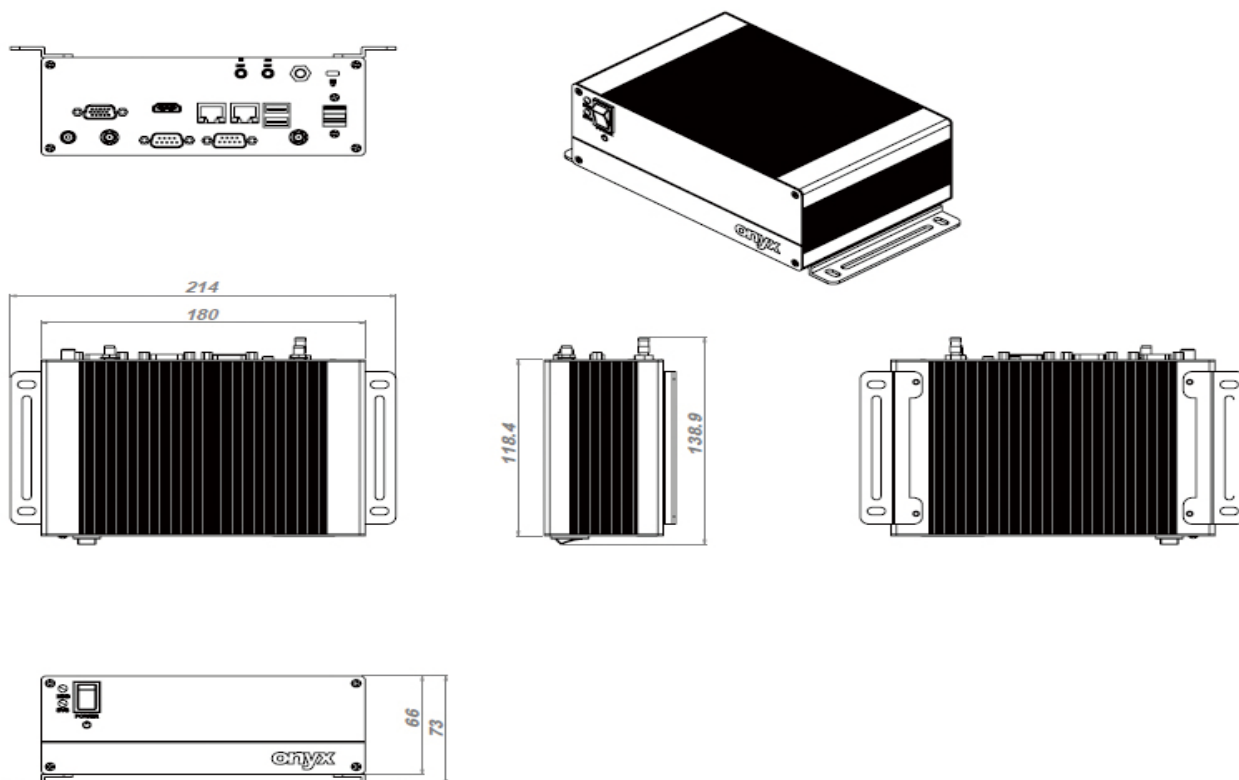
USB	USB 2.0 x 3, USB 3.0 x 1
COM Port	RS-232 x 2
Video Interface	VGA x 1, HDMI x 1
Ground Pin	Grounding PIN 42801(removable)
Power Jack	DC Power Input Connector
Kensington Lock Hole	1 Kensington Lock Hole
Ethernet	GbE LAN x 2 by RJ-45
SMA Connector	SMA Connector for WLAN antenna (removable) (optional)
Power Switch	1 Power switch button and 2 LED indicator (HDD, SYS) (Orange Red, Green)
Audio	Line out / Mic-in

Mechanical and Environmental

Power Consumption	Full Loading: 38.453Watts
Power Requirement	DC 12V power input
Operating Temperature	0°C ~40°C(32°F ~104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Net Weight	1.7Kg (3.75lb)
Cross weight	2.7kg (5.95lb)
Package Dimension (W x D x H)	305 x 205 x 230 mm
EMC	CE/ FCC Class B Passed 18,IEC 60601-1-1:2005, EN 60601-1:2006, ISO 14971:2007

Intel Bay Trail SoC Embedded Platform for HIT

Dimension / Unit: mm



Ordering Information

» MEDPC-2000-A1-1010

Emb. Sys., J1900 2.42GHz, DC 12V, 2GB RAM, 2 LAN, 1 USB 3.0, 3 USB 2.0, 1 VGA, 1HDMI, 2 COM

Optional Accessories

» 1757306038

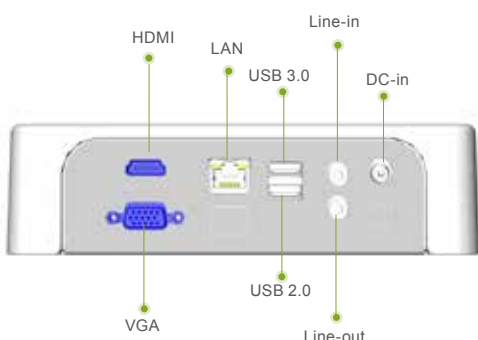
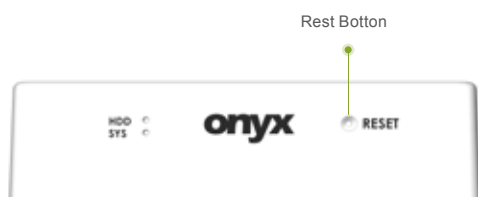
Medical Power Adaptor.100 ~ 240V.12V.5A.60W.DC.W/ Lock.Adapter.ATM065-P120

» OPM-C06W-A7

WLAN Kit.Atheros AR1111.802.11b/g/n+BT 4.0.Mini Card.dual white ext. antenna.for MEDPC-2000

MEDPC-1600

Intel Bay Trail SoC Embedded Platform for HIT



Features

- Intel Bay Trail J1900 (Quad Core) 2GHz
- Multiple display output support
- Fanless easy clean design
- Mini Size

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control

Specifications

Main Specifications

Processor	Intel® Celeron J1900 (Quad Core) 2GHz
Video Chipset	Intel® HD Graphics
Display Memory	Shared Memory
System Memory	204-pin DDR3L support to 8GB
Expansion	1 x Half size Mini Card Slot ; 1 Mini card slot
System Storage	CFAST Cardx 1

I/O

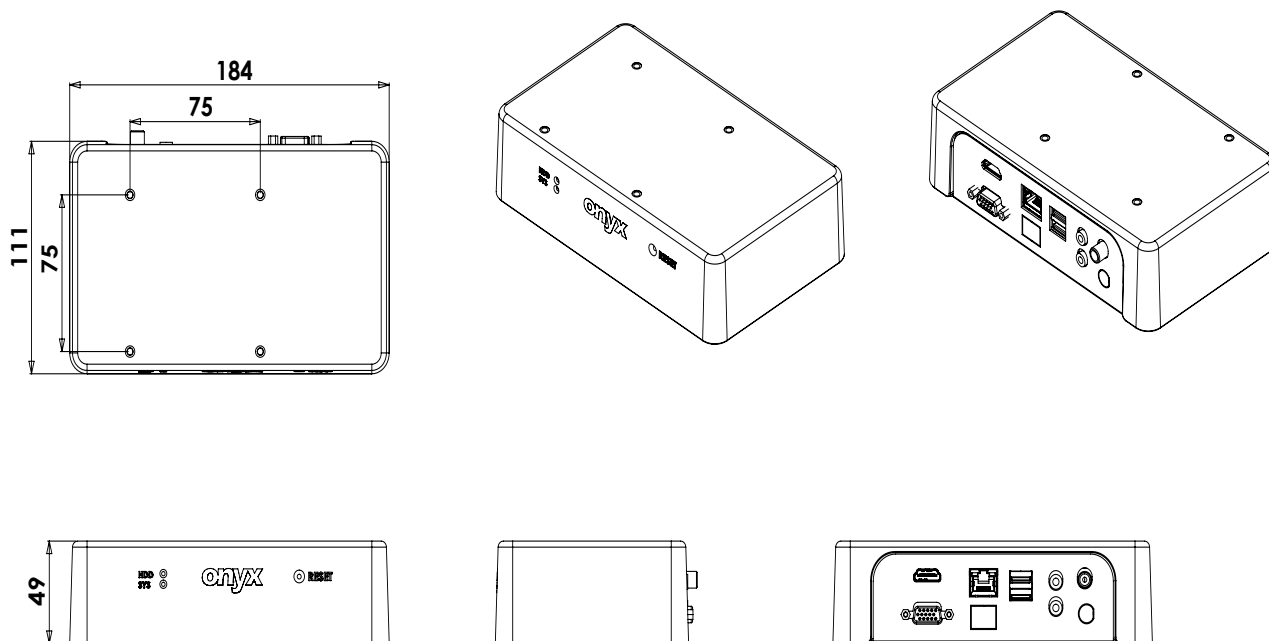
USB	USB 2.0 x 1, USB 3.0 x 1
Video Interface	VGA x 1, HDMI x 1
Power Jack	DC Power Input Connector
Ethernet	GbE LAN x 1 by RJ-45
SMA Connector	SMA Connector for WLAN antenna (removable) (optional)
Power Switch	Rest Button and 2 LED indicator (HDD, SYS) (Orange Red, Green)
Audio	Line out / Line-in

Mechanical and Environmental

Power Consumption	Full Loading: 38.453Watts
Power Requirement	DC 12V power input
Operating Temperature	0°C ~40°C(32°F ~104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Net Weight	1.2Kg (2.64lb)
Cross weight	2.4kg (5.28lb)
Package Dimension (W x D x H)	305 x 205 x 230 mm
EMC	CE EN 60601-1-2:2007, 47 CFR FCC Part 18 Class B, IEC 60601-1:2005; EN 60601-1:2006, ISO 14971:2007

Intel Bay Trail SoC Embedded Platform for HIT

Dimension / Unit: mm



Ordering Information

» MEDPC-1600-A1-1010

Emb, Sys., J1900 2.42GHz, DC 12V, 2GB RAM, 1 LAN, 1 USB 3.0, 1 USB 2.0, 1 VGA, 1HDMI

Optional Accessories

» 1757306038

Medical Power Adaptor.100 ~ 240V.12V.5A.60W.DC.W/ Lock.Adapter.ATM065-P120

» OPM-C06W-A7

WLAN Kit.Atheros AR1111.802.11b/g/n+BT 4.0.Mini Card.dual white ext. antenna.for MEDPC-2100

Medical Slim Mini-ITX MB for OEM/ODM

Medical Slim Mini-ITX MB is a ideal solution for medical computer or instrument. EMI prescan is done to guarantee EN 60601-1-2 compliance. Onyx provides the latest ultra low power and high performance Intel platform to minimize the effort in cpu cooler design and .



Key Features

- » » Intel Ultra Low Power Processor
- » » Dual Independent Display: LVDS, DP
- » » Dual PCI Express Slots
- » » Wide Range DC Power Input
- » » Medical Grade EN 60601-1-2 Compliance

Medical Slim Mini ITX Motherboard for OEM/ODM

OMB-M228

Skylake Medical Mini ITX Motherboard



Features

- Intel® 6th Generation Skylake-U Core i Series 14nm Processor
- Supports DDR4 SODIMM x2, up to 16GB
- Supports 4K x 2K High Resolution Display
- High speed USB 3.1 x2, USB 3.0 x4
- PCI Express[x4] x1, PCI Express[x1] x1, M.2 slot x1, Half Size Mini Card slot x1
- +12 to +24V Wide Range DC Input
- Low profile form factor for all-in-one terminal and 1U chassis.
- Medical grade UL/EN-60601 pre-certified with low EMI radiation
- 7 years life cycle guarantee until year 2022



Specifications

System

Processor	Intel® 6th Generation Core i Series 14nm Processor
System Memory	DDR4 SoDIMM x2, Max. 32GB
Graphics	Intel® HD Graphics
Embedded Controller	ITE IT8528
Ethernet	Intel® Jackonville Gigabit(with iAMT) x1, Intel® i219 Gigabit 1 x1
Audio	Realtek ALC892 HD Audio Codec
Expansion Interface	PCIe[x4] x1, PCIe[x1] or PCI x1, Half Size Mini Card x1, M.2 x1
Trusted Platform Module	TPM 1.2, Infineon SLB 9660
BIOS	AMI
OS Support	Windows 7 32/6-bit, Windows 8 32/64-bit, Windows 10 32/64-bit, Linux
Power Requirement	+12V to +24V DC
Power Consumption	TBD
Board Size	160mm x 209mm
Operating Temperature	0°C ~60°C

Display

Video Out	LVDS x1, Display Port x2
LVDS	Up to 1920 x 1200 resolution, 18/24-bit dual channel
Display Port	Up to 3840 x 2160 resolution

I/O

Storage	SATA 6.0Gb/s x2
USB	USB 3.1 x2, USB 3.0 x4, USB 2.0 x6
Audio	Line-out , Mic
Touch Screen	Supports 5-wire resistive touch screen
LAN	Gigabit Ethernet
Speaker	5W x2
Power Input	Screw Lock DC Jack

Medical Slim Mini ITX Motherboard for OEM/ODM

OMB-M221

Medical Grade Apollo Lake Mini ITX Motherboard



Features

- Intel® Apollo Lake Quad Core Processor
- Dual Displays: VGA x 1, HDMI x 1, LVDS x 1
- Realtek 8111G, Gigabit Ethernet x 2
- SATA 6.0Gb/s x 2, SATA 3.0Gb/s x 1
- USB 3.0 x 1, USB 2.0 x 7
- Full-size Mini Card with mSATA x 1, Half-size Mini Card x 1, PCI-E [x1] x 1
- 12V DC Power

CE FC

Specifications

System

Processor	Intel® Apollo Lake Quad Core
System Memory	Supports DDR3L SODIMM up to 16GB
Graphics	Intel® HD Graphics
Expansion Interface	PCI Express[x1] x1
OS Support	Windows 7, Windows 8.1, Windows 10, Linux

Rear I/O

USB	USB3.0 x4
COM	RS-232 x1
Ethernet	Gigabit LAN x2
Audio	Line-out
Power Input	DC 12~24V

Internal I/O

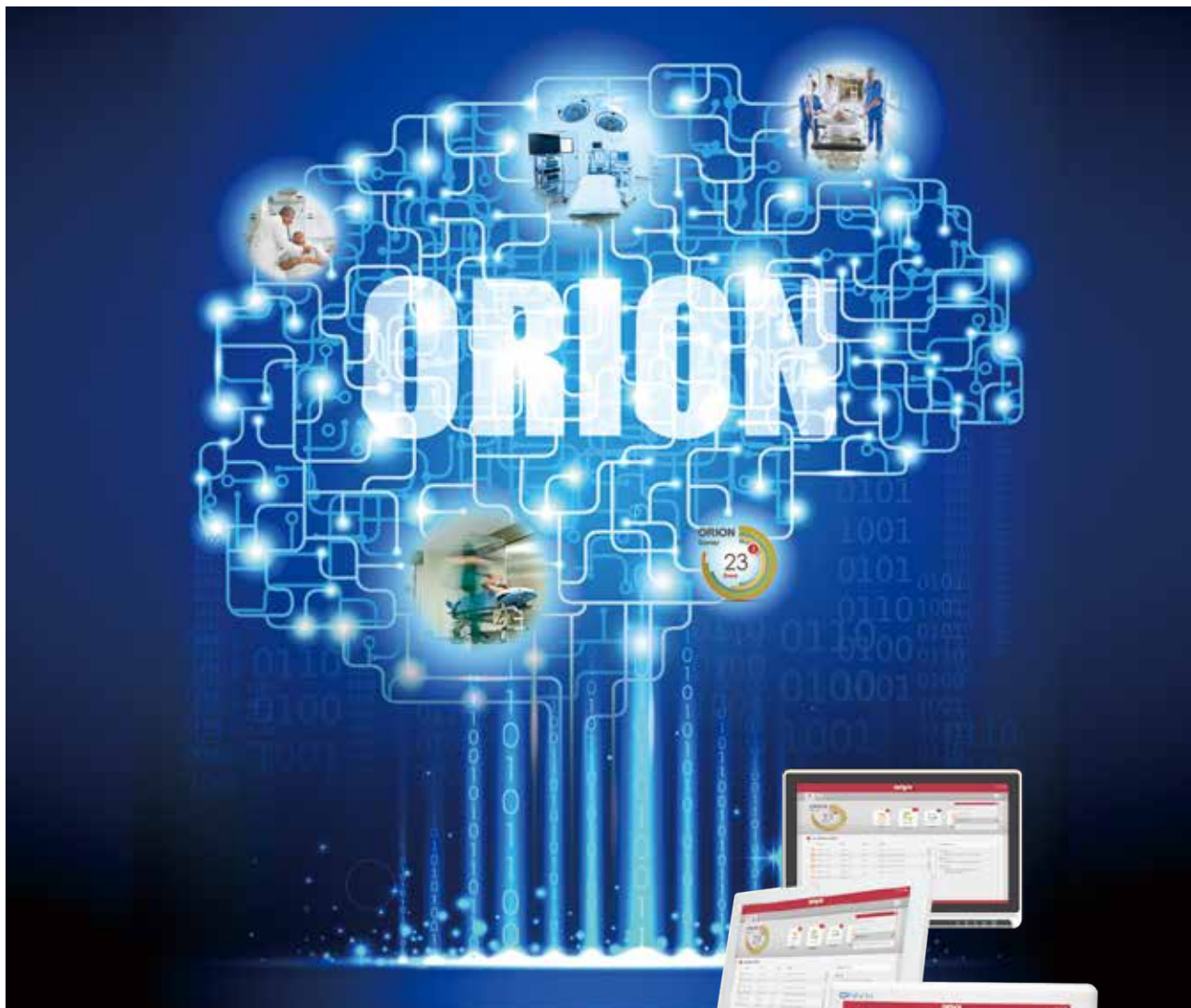
Display Output	LVDS x1
USB	USB 2.0 x6
COM	RS-232 x2
Audio	Mic
Serial ATA	SATA 6.0Gb/s x2
Touch Screen Interface	N/A
Speaker Connector	N/A

Mechanical and Environment

Operating Temperature	0°C ~ 60°C(32°F ~ 140°F)
Dimension	170mm x 170mm
EMC	CE & FCC Class B

ORION-Hospital IT Management Software Package

ORION is a complete software solution that controls every part of your Onyx device infrastructure from the server, to the software manager and client devices. This system works the same way as the email servers we use every day to communicate. Each ORION system has a single server that connects to nursing carts (clients) that push their information to the server (similar to sending an email). The software manager collects information on the server received from the nursing carts to perform further analysis like battery cycle count or capacity attenuation.



Key Features

- » » Compatible with win7, win 8.1, win 10
- » » Quick Master the Status
- » » Initiative Remind Battery Issue
- » » Remote Monitor Every Battery Detail
- » » Remote Control
- » » History Record



+ Battery Diagnosis

ORION will check all the battery information and remind user if found any error



+ Remote One Key Setting

user can control all onyx device from one spot by one clicking



+ Battery/HW Data Backup

ORION client will upload battery and HW data to server.
These can let user easy to tracking the battery history record



+ Battery/HW Remote Monitor

user can see all the battery detail information remotely over ORION



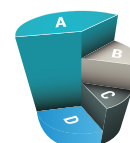
+ UX Design

UX (user experience) is one of important element in this time. ORION keep modified our UI and want to provide a good use experience to our user



+ Simply Manage Process

Group setting, event suggest action, initiative reminding, etc. ORION try to reduce user's loading and provide more easy way to handle the battery



+ Customize Event tracking System

User can set the threshold by themselves depend on their environment or requiriment



ORION Architecture







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