

EOS-I 000

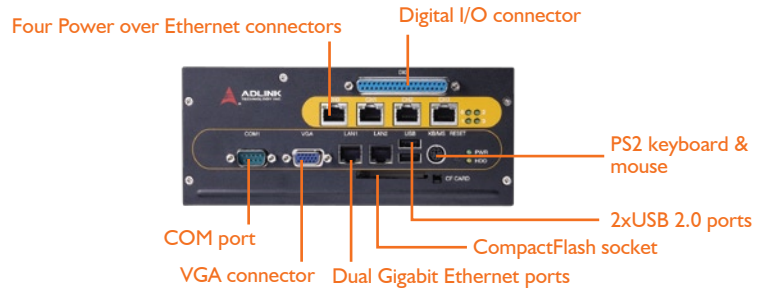
4-CH PoE Embedded Vision System with Intel® Core™ 2 Duo P8400 Processor



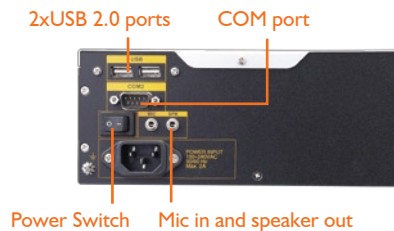
Introduction

ADLINK's EOS-I000 is a rugged and embedded vision system that features an Intel® Core™ 2 Duo P8400 and four independent PoE (Power over Ethernet) ports. This system is ideal for high computing power and multi-camera imaging applications such as 3D vision robotic guidance.

By selecting long-life embedded components and incorporating system monitoring components to watch CPU temperature, fan speed, and system responsiveness, the EOS-I000 provides a very robust and reliable platform for mission critical applications.



EOS-I000 Front View



EOS-I000 Back View

Features

- Compact and rugged system design
- Embedded Intel® Core™2 Duo P8400 CPU
- Multi-camera solution: up to four Gigabit Ethernet cameras
- PoE, IEEE 802.3af Compliant, Powered Device (PD) auto detection
- Rich I/O support: RS-232/485, USB, and isolated digital I/Os
- Dual storage support: HDD and CompactFlash cards
- Hardware monitoring: temperature, voltage, and watchdog timer

Software Support

- Windows® 7/XP/XP Embedded

Specifications

■ CPU	Intel® Core™2 Duo P8400, 2.26 GHz
■ System Memory	Up to 4 GB DDR3
■ Camera Interface	4-CH Power Over Ethernet
	IEEE 802.3af Compliant, Max. power output 7 W per channel
■ Chipset	Intel® GM45 / ICH9 chipset
■ VGA	Analog CRT support up to 1600 x 1200
■ USB	Four USB ports, USB 2.0 compliant
■ Audio	AC97, Mic In/Speaker Out
■ COM Ports	COM1/COM2: RS-232/RS-422/RS-485 (set via the BIOS)
■ Digital I/O	16-CH isolated digital input and output, 5.0 KV isolation protection
■ Keyboard/ Mouse	PS/2 type mini-DIN connectors
■ Power Supply	DC: 10 to 30 Vdc, AT mode
	AC: 90 to 240 Vac, AT mode
■ Operating Temp.	0°C to 55°C
■ Humidity	0% to 90%
■ Dimensions	200 (W) x 165 (D) x 85 (H) mm (7.9" x 6.5" x 3.3")
■ Power Consumption	50 W (with 2 GB DDRAM and 2 GB CompactFlash)
■ Storage	On-board SATA port for 2.5" HDD/SSD installation
	1 type I CF socket, supporting PIO and DMA modes
■ Random Vibration	Operating: 5 to 100 Hz, 0.00142 g ² /Hz; 100 to 500 Hz, -6 dB/Octave, 0.5 Grms, 3 axes, 30 minutes/axis
■ Safety Compliance	CE/FCC, RoHS

Ordering Information

- **EOS-I000**
4-CH PoE embedded vision system with Intel® Core™ 2 Duo P8400 processor

Optional Accessories

- **4 GB DDR3 upgrade**
Upgrade to 4 GB DDR3 memory
- **160 GB HDD option**
Factory-installation of 160 GB SATA hard disk drive
- **8 GB / 40 GB SSD option**
Factory-installation of 8 GB / 40 GB SATA solid state disk

EOS-2000

4-CH Analog Embedded Vision System with Intel® Core™ 2 Duo P8400 Processor



Introduction

ADLINK's EOS-2000 is a rugged and compact vision system that features an Intel® Core™ 2 Duo P8400 processor and four channels for NTSC/PAL image acquisition. This system is ideal for high computing power and multi-camera imaging applications such as alignment, assembly inspection, and gauging.

By selecting long-life embedded components and incorporating system monitoring components to watch CPU temperature, fan speed, and system responsiveness, the EOS-2000 provides a very robust and reliable platform for mission critical applications.

Features

- Compact and rugged system design
- Embedded Intel® Core™ 2 Duo P8400 CPU
- Multi-camera support: up to four NTSC/PAL cameras
- Rich I/O support: RS-232/485, USB, and isolated digital I/Os
- Dual storage support: HDD and CompactFlash cards
- Hardware monitoring: temperature, voltage, and watchdog timer

Software Support

- Windows® 7/XP/XP Embedded

Specifications

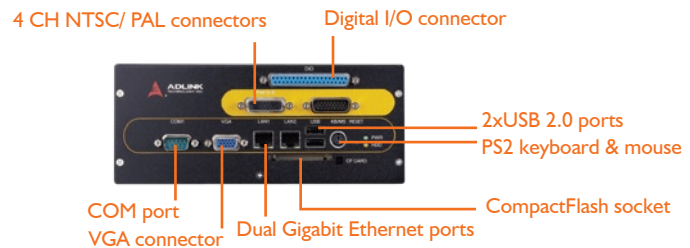
■ CPU	Intel® Core™ Duo P8400, 2.26 GHz
■ System Memory	Up to 4 GB DDR3
■ Camera Interface	4-CH NTSC/PAL
■ Chipset	Intel® GM45 / ICH9 chipset
■ VGA	Analog CRT support up to 1600 x 1200
■ USB	Four USB ports, USB 2.0 compliant
■ Audio	AC97, Mic In/Speaker Out
■ COM Ports	COM1/COM2:RS-232/RS-422/RS-485(BIOS Setting)
■ Digital I/O	16-CH isolated digital input and output, 5.0 KV isolation protection
■ Keyboard/Mouse	PS/2 type mini-DIN connectors
■ Power Supply	DC: 10 to 30 Vdc, AT mode AC: 100 to 240 VAC, AT mode
■ Operating Temp.	0°C to 55°C
■ Humidity	0% to 90%
■ Dimensions	200 (W) x 165 (D) x 85 (H) mm (7.9" x 6.5" x 3.3")
■ Power Consumption	50 W (with 2 GB DDRAM and 2GB CompactFlash)
■ Storage	On-board SATA port for 2.5" HDD/SSD installation 1 type I CF socket, supporting PIO and DMA modes
■ Random Vibration	Operating: 5 to 100 Hz, 0.00142 g ² /Hz; 100 to 500 Hz, -6 dB/Octave, 0.5 Grms, 3 axes, 30 minutes/axis
■ Safety compliance	CE/FCC, RoHS

Ordering Information

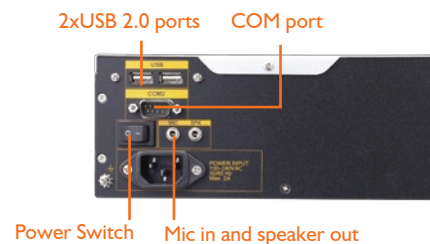
- **EOS-2000**
4-CH analog embedded vision system with Intel® Core™ 2 Duo P8400 processor

Optional Accessories

- **4 GB DDR3 upgrade**
Upgrade to 4 GB DDR3 memory
- **160 GB HDD option**
Factory-installation of 160 GB SATA hard disk drive
- **8 GB / 40 GB SSD option**
Factory-installation of 8 GB / 40 GB SATA solid state disk



EOS-2000 Front View



EOS-2000 Back View