

Hardware Description

AR500, AR510, AR531, AR550, AR1500, and AR2500

This document describes hardware components of the AR, including the cabinet, chassis, power supply facilities, fan modules, cards, cables, and pluggable modules for interfaces. You can find useful information about AR hardware components from this document.

About This Document

Using the Hardware Query Tool to Query Hardware Description Information

Using the Hardware Configuration Tool to Calculate Power Consumption of Equipment

Version Requirements for Components

> Chassis

Power Supplies

Overview of Power Modules

Types of Power Supplies (Industry)

100 W PoE Power Adapter

24 W Integrated Power Adapter

24 W Integrated Power Adapter with an Adapter Cable

60 W Industrial AC Power Module

60 W DC Power Module

60 W AC power module

180 W PoE Midspan

240 W AC PoE Power Module

> Cards

> Cables

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24 W Integrated Power Adapter

Product Support

Table 5-12 lists the device models that support a 24 W integrated power adapter.

Table 5-12 Product support

Module Name	Product Support
24 W integrated power adapter	AR509G-Lc AR509G-L-D-H AR509GW-L-D-H

Appearance

Figure 5-2 shows the appearance of a 24 W integrated power adapter.

Figure 5-2 24 W integrated power adapter



Function

Table 5-13 describes functions of a 24 W integrated power adapter.

Table 5-13 Function description

Function	Description
Input overcurrent protection	In this protection state, the power adapter stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.

Translation

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Function	Description
Output current limiting protection	In this protection state, the power adapter supplies power intermittently. When the output current is limited within a range, the power adapter automatically resumes power supply.
Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power adapter automatically resumes power supply.
Output short-circuit protection	In this protection state, the power adapter supplies power intermittently. When the short circuit is removed, the power adapter automatically resumes power supply.
Heat dissipation	The power adapter does not have built-in fans and uses nature heat dissipation.

Technical Specifications

Table 5-14 lists technical specifications of a 24 W integrated power adapter.

Table 5-14 Technical specifications

Item	Specification
Physical specifications	- Dimensions (H x W x D): 28 mm x 51 mm x 86 mm (1.10 in. x 2.01 in. x 3.39 in.) - Weight: 0.15 kg (0.33 lb)
Environment parameter	Operating temperature: -5°C to +45°C (23°F to +113°F)
Input	Rated input voltage range: 100 V AC to 240 V AC, 50 Hz/60 Hz Maximum input voltage range: 90 V AC to 264 V AC, 47 Hz to 63 Hz Maximum input current: 0.8 A
Output	Rated output voltage: 12 V DC Maximum output voltage range: 11.4 V DC to 12.6 V DC Maximum output power: 24 W Maximum output current: 2 A

Ordering Information

To place an order, visit <https://e.huawei.com/en/how-to-buy> to find the local supplier or submit your inquiries online.

Table 5-15 provides the 24 W integrated power adapter ordering information.

Table 5-15 Ordering information

Part Number	Model	Name Label (Silkscreen)	Description
02220362	-	-	24 W integrated power adapter-China Standard
02220363	-	-	24 W integrated power adapter-Europe Standard
02220364	-	-	24 W integrated power adapter-UK Standard

Part Number	Model	Name Label (Silkscreen)	Description
02220365	-	-	24 W integrated power adapter-US Standard
02220366	-	-	24 W integrated power adapter-Australia Standard



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