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Find the *Cisco Systems 4700-M* at our website: ***Click HERE***

Cisco 4500-M and 4700-M — Modular, High-Density Routers

Product Overview

The Cisco 4000 series consists of the following routers:

- Cisco 4500-M
- Cisco 4700-M

The Cisco 4000 series routers run Cisco IOS software, Cisco's industry-leading networking software that provides a variety of feature sets. You can choose a feature set that supports your specific protocol environment. Cisco IOS software assures robust, reliable internetworks by supporting both LAN and WAN protocols, optimizing WAN services, and controlling internetwork access. In addition, Cisco IOS software allows centralized, integrated; and automated installation and management of internetworks.

The Cisco 4000 series routers offer Flash EPROM technology as a standard feature. Flash EPROMs enable you to distribute new software releases from a central location. After the software is distributed, the routers can reboot from programs stored in local Flash memory.

All models provide a configurable modular router platform by using network processor modules (NPMs) — individual removable cards used for external network connections. Because the router's modules support many variations of protocols, line speeds, and transmission media, the Cisco 4000 series can accommodate all types of network computing environments. As Cisco introduces new modules, the Cisco 4000 series can be upgraded to keep pace with technological advances.

For detailed information about modules for the Cisco 4000 Series, please see the Ordering section in this chapter.

Options for Cisco 4500-M and 4700-M Series

Key Features and Benefits

Cisco 4000 series routers have the following standard features:

- Three slots for NPMs, which can be Ethernet, Token Ring, FDDI, HSSI, ISDN BRI, ISDN PRI, ATM, or serial network interfaces
- 100 MHz IDT Orion RISC (Cisco 4500-M), or 133 MHz IDT Orion RISC (Cisco 4700-M)
- 16 MB of expandable RAM
- 128 KB of NVRAM
- 4 MB of expandable Flash memory
- 4 MB of expandable shared memory
- AC or DC internal power supply models and models to work with an external redundant power system (3 models of each of the Cisco 4500-M and Cisco 4700-M)
- Power cord

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Specifications

Hardware

Table 18-80: Technical Specifications for Cisco 4500-M and 4700-M

Description	Cisco 4500-M	Cisco 4700-M
Supported network interfaces	Ethernet Token Ring FDDI Serial HSSI High-density serial ISDN BRI Channelized E1/T1 ISDN PRI ATM OC-3c ATM DS-3 ATM E3	Same as Cisco 4500-M
Slots available for modules	3	3
Processor	100 MHz IDT Orion RISC	Same as Cisco 4500-M
Flash memory	4 MB standard, expandable to 8 or 16 MB	Same as Cisco 4500-M
Main memory	16 MB standard, expandable to 32 MB	Same as Cisco 4500-M
Shared Memory	4 MB standard, expandable to 8 or 16 MB	Same as Cisco 4500-M
Nonvolatile random-access memory (NVRAM)	128 KB	128 KB

Table 18-81: Power Requirements for Cisco 4500-M and 4700-M

Description	Cisco 4500-M	Cisco 4700-M
Consumption	200W (682 BTU/hour)	Same as Cisco 4500-M
Input	100 to 240 VAC	Same as Cisco 4500-M
Frequency	47 to 63 Hz	Same as Cisco 4500-M
Current rating	3.0A @ 100V; 1.5A @ 240V	Same as Cisco 4500-M

Table 18-82: Physical and Environmental Specifications for Cisco 4500-M and 4700-M

Description	Cisco 4500-M	Cisco 4700-M
Dimensions (H x W x D)	3.4 x 17.6 x 17.7 in. (8.6 x 44.7 x 43.4 cm)	Same as Cisco 4500-M
Weight (average shipping)	24 lb (10.9 kg)	Same as Cisco 4500-M
Temperature (operating)	32 to 104˚F (0 to 40˚C)	Same as Cisco 4500-M
Humidity (noncondensing)	5 to 95%	Same as Cisco 4500-M

Table 18-83: Regulatory Approvals for Cisco 4500-M and 4700-M

Description	Cisco 4500-M	Cisco 4700-M
Agency approvals	UL 1950, CSA 22.2, TÜV-GS mark, EN 60950, FCC Class A, Canadian DOC Class A, VDE Class B, EN 55022 Class B, VCCI Class 2	Same as Cisco 4500-M

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Software

Table 18-84: Software Specifications for Cisco 4500-M and 4700-M

Characteristic	Cisco 4500-M	Cisco 4700-M
Software options — Cisco IOS Release 11.2	IP	IP
	IP Plus	IP Plus
	IP Plus 40	IP Plus 40
	IP Plus 56	IP Plus 56
	Desktop (IP/IPX/AppleTalk/DEC)	Desktop (IP/IPX/AppleTalk/DEC)
	Desktop (IP/IPX/AppleTalk/DEC) Plus	Desktop (IP/IPX/AppleTalk/DEC) Plus
	Desktop (IP/IPX/AppleTalk/DEC) Plus 40	Desktop (IP/IPX/AppleTalk/DEC) Plus 40
	Desktop (IP/IPX/AppleTalk/DEC) Plus 56	Desktop (IP/IPX/AppleTalk/DEC) Plus 56
	IP/IPX/APPN with IBM base functionality	IP/IPX/APPN with IBM base functionality
	Enterprise	Enterprise
	Enterprise Plus	Enterprise Plus
	Enterprise Plus 40	Enterprise Plus 40
	Enterprise Plus 56	Enterprise Plus 56
	Enterprise/APPN Plus	Enterprise/APPN Plus
	Enterprise/APPN Plus 40	Enterprise/APPN Plus 40
	Enterprise/APPN Plus 56	Enterprise/APPN Plus 56
Software options — Cisco IOS Release 11.3	IP	IP
	IP Plus	IP Plus
	IP Plus 40	IP Plus 40
	IP Plus 56	IP Plus 56
	IP/IPX/AppleTalk/DEC (Desktop)	IP/IPX/AppleTalk/DEC (Desktop)
	IP/IPX/AppleTalk/DEC Plus (Desktop)	IP/IPX/AppleTalk/DEC Plus (Desktop)
	Enterprise Plus	Enterprise Plus
	Enterprise Plus 40	Enterprise Plus 40
	Enterprise Plus 56	Enterprise Plus 56
	Enterprise/APPN Plus	Enterprise/APPN Plus
	Enterprise/APPN Plus 40	Enterprise/APPN Plus 40
	Enterprise/APPN Plus 56	Enterprise/APPN Plus 56
Software options — Cisco IOS Release 11.2	IP	IP
	IP Plus	IP Plus
	IP Plus 40	IP Plus 40
	IP Plus 56	IP Plus 56
	IP/IPX/AppleTalk/DEC (Desktop)	IP/IPX/AppleTalk/DEC (Desktop)
	IP/IPX/AppleTalk/DEC Plus (Desktop)	IP/IPX/AppleTalk/DEC Plus (Desktop)
	IP/IPX/AppleTalk/DEC Plus 40 (Desktop)	IP/IPX/AppleTalk/DEC Plus 40 (Desktop)
	IP/IPX/AppleTalk/DEC Plus 56 (Desktop)	IP/IPX/AppleTalk/DEC Plus 56 (Desktop)
	IP/IPX/APPN with IBM base functionality	IP/IPX/APPN with IBM base functionality
	Enterprise	Enterprise
	Enterprise Plus	Enterprise Plus
	Enterprise Plus 40	Enterprise Plus 40
	Enterprise Plus 56	Enterprise Plus 56
	Enterprise/APPN Plus	Enterprise/APPN Plus
	Enterprise/APPN Plus 40	Enterprise/APPN Plus 40
	Enterprise/APPN Plus 56	Enterprise/APPN Plus 56

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Characteristic	Cisco 4500-M	Cisco 4700-M
Software options — Cisco IOS Releases 11.0 and 11.1	IP Routing	IP Routing
	IP Routing with IBM base functionality	IP Routing with IBM base functionality
	IP/IPX Routing	IP/IPX Routing
	IP/IPX Routing with IBM base functionality	IP/IPX Routing with IBM base functionality
	IP/IPX/APPN with IBM base functionality	IP/IPX/APPN with IBM base functionality
	Desktop	Desktop
	Desktop with IBM base functionality	Desktop with IBM base functionality
	Enterprise	Enterprise
	Enterprise/APPN	Enterprise/APPN

Ordering Information

Product Part Numbers

All part descriptions and part numbers for Cisco products can be accessed using the online Cisco Pricing Tool at

http://www.cisco.com/cgi-bin/order/pricing_root.pl

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