

Cisco 4500/4500-M and 4700/4700-M Series End of Sales Announcement

Overview

The IP Access Business Unit (formerly MSABU) announces the End-of-Sales (EoS) of the 4500/4500-M and 4700/4700-M Modular Access Routers.

Effective May 25, 2000, the IP Access Business Unit is announcing the "End-of-Sales" for the Cisco 4500/4500-M and 4700/4700-M platforms. The 4500-M and the 4700-M systems will be orderable for 6 months after this date. The End-of-Orderability for 4500-M and 4700-M systems will become effective on November 25th, 2000. This decision was made due to the increasing demand for multiservice access platforms, higher slot and port density requirements, and the availability of equivalent functionality and features on the 3600 Series platforms.

This End-of-Sales announcement applies to new system orders only, and does not apply to the existing 4500 and 4700 Series spare products including: Network Processor Modules (NPMs), Flash and DRAM memory, cables, and power supplies that will continue to be available based on component availability from Cisco suppliers through November 2001. Cisco can make no guarantees on the availability of specific NPM's or memory parts due to reliance on its vendors for components and memory. In the cases of memory part obsolescence, Cisco expects that substitutes will be made available. Cisco technical support, including defective part replacement, will continue for 5 years after this date, through November 2005.

End-of-Orderability refers to the time when a product is no longer available for new system purchases. It does not apply to the service and support programs for those products. Cisco will continue to support the Cisco 4500/4500-M and 4700/4700-M for 5 years after the End-of-Orderability date through our SmartNet and Comprehensive Maintenance programs. Customers with either of these service contracts are entitled to free software updates through all Cisco IOS maintenance releases up to and including 12.2 Mainline, 24-hour phone support through the Technical Assistance Centers, and advance replaced hardware for repairs.

Cisco Systems recognizes the importance of protecting customers' investment. Customers often need the ability to update their software to a later release for additional features or bug fixes. Subsequently, software maintenance releases will be available for all IOS feature sets on the Cisco 4500/4500-M and 4700/4700-M through IOS Software Release 12.2 Mainline. However, support of all Cisco IOS feature sets in IOS release 12.2M on the 4500/4500-M can not be guaranteed because of increases in the IOS code size, and the 32MB maximum amount of DRAM memory available on these platforms.

Comprehensive Maintenance customers also receive on-site service. Customers who do not have a maintenance contract can purchase software updates and hardware repair services from Cisco to meet specific requirements rather than full service coverage. Cisco is committed to supporting these systems for a period of five (5) years after the End-of-Orderability date. Table 1 has a complete list of various dates associated with the End-of-Life process.

Product Positioning

Customers are encouraged to migrate up to the 3660. The 3660 offers a very cost-effective replacement because in typical configurations it prices out between a 4500 and 4700, yet offers twice the fast and process switching performance, and far greater density. The Cisco 3660 provides significantly improved performance, and greater configuration flexibility with up to six slots and integrated LAN interfaces. The Cisco 3660 Series provides an excellent choice for those environments requiring high availability, cost-efficient, and flexible configurations with the capability to support multiservice integration of voice, video, and data. When even higher performance and specialized high-speed interfaces are required, the Cisco 7200 series is a good solution.

The Cisco 3661 and Cisco 3662 have the versatility to support today's large branch and regional office requirements for data, voice, video, hybrid dial access applications, along with the high-speed connectivity necessary to support the increased bandwidth needs for multiservice applications. The 3600 family of Multiservice Access routers provides higher performance, and a more affordable solution for the midrange to large branch office market spaces than previously available on the 4500/4700-M platforms.

The Cisco 3660 Series family of products shares all the same modules, as of 12.1(1)T, that are available on the Cisco 2600 and Cisco 3600 family (there are over seventy such modules). Moreover, the Cisco 3660 Series provides significantly higher performance and interface capacity with on board LAN ports and six-network module slots.

For example the list price for a 4500-M with IP Only software and 1-port Fast Ethernet is \$11,700. The list price for a 4700-M with the same configuration is \$14,200. The list price for a 3661 (includes IP Only and one on board 10/100 LAN interface) is \$10,700. This provides you with an additional 3 slots more than offered on either the 4500-M or 4700-M series. See the platform solution's cost comparison table below for more details.

At the End-of-Orderability date, the 3660 Series will support all the same LAN and WAN functionality as that provided on the 4500/4700-M, with the exception of FDDI port modules. Customer's that require FDDI LAN connectivity should migrate to the Cisco 7200 platforms.

Table 1 4500/4500-M and 4700/4700-M End-of-Life Schedule

End-of-Life Announcement	May 18, 2000
End-of-Orderability	November 25, 2000
End of Systems Shipment	November 31, 2000 (depends on the size of final orders and resultant leadtimes)
End-of-Spares Shipment	May 2001: but individual module availability is dependent on component availability from Cisco suppliers. Many NPMs will be available through the end of 2001.
End-of-Engineering Support	Based on the Cisco IOS Release 12.2 Mainline schedule, which is currently planned for end of support in 1HCY2003
Final Cisco IOS Release supported	The final Cisco IOS Release is 12.2 Mainline: For 4500 and 4500-M, availability of certain feature sets are dependent on IOS code growth and cannot be guaranteed.
End of TAC Support	November 2005
End of Smartnet Contract Renewal	November 25, 2004
Memory Availability	In general, at least 18 months from the End-of-Orderability date. Cisco can make no guarantees on the availability of specific memory parts due to reliance on its memory suppliers. In the few known cases of possible part obsolescence, Cisco expects that substitutes (in some cases larger amounts of memory) will be available.
Network Processor Module (NPM) Availability	All the currently available NPMs are intended to be orderable as spares until May, 2001. Cisco can make no guarantees on the availability of specific NPM's due to reliance on its vendors for components that become unavailable.
Recommended Platform to migrate to:	Cisco 3640 and 3660 Series

Key benefits for migrating to 3660 Series Platforms

- Greater customer investment protection for multiservice voice, video and data applications
- Comparably priced features and functionality available on 3660 Series
- Greatly increased Fast, CEF, and process switching performance
- Analog and Digital voice capabilities
- Higher LAN and WAN port densities
- Integrated Analog and Digital modems available on the Cisco 2600/3600 Series
- ATM-25 and Inverse Multiplexing over ATM (IMA) Network Modules
- Integrated CSU/DSU's for Channelized T1 Network Modules and T1 WICs
- Integrated NT-1 for 4 and 8-port BRI
- Increased maximum DRAM and Flash sizes (up to 64MB Flash and 256MB DRAM on the 3660)
- External PCMCIA Flash
- Hardware Compression (STAC) assistance Network Modules and Advanced Integration Modules (AIM's)
- Unframed G.703 support with Multiflex VWICs
- IOS Firewall Feature set support
- FRF.11 and FRF.12 support
- Single port BRI WICs for dial backup capabilities

4500/4500-M and 4700/4700-M platform and interface alternative recommendations

End of Sale Product Code	Replacement in 3600 Series	Replacement in 720x/720x VXR Series
Cisco 4500-M/4700-M	Cisco3640, Cisco3661-AC, Cisco3662-AC	Cisco7204/7204VXR, Cisco 7206/7206VXR
Cisco 4500-DC-M/4700-DC-M	Cisco3640-DC, Cisco3661-DC, Cisco3662-DC	Cisco 7204/7206-DC
Cisco 4500-RPS-M/Cisco4700-RPS-M	Cisco3640-RPS, Cisco3620-RPS	Yes, integrated
NP-1FE	NM-1FE-TX	PA-FE-TX, C7200-I/O-FE,
NP-2E-FDX	NM-2E2W, NM-2FE2W, NM-4E	PA-4E
NP-6E	NM-4E	PA-4E, PA-8E
NP-1RV2	NM-1E1R2W	PA-4R
NP-2R	NM-1E1R2W	PA-4R, PA-4R-DTR
NP-2T	NM-4T, NM-1E2W + WIC-1T or WIC-1DSU-T1	PA-4T+
NP-4T	NM-4T	PA-4T+
NP-2T16S-RS232	NM-16A, NM-8A/S, NM-1E2W + WIC-1T	PA-8T-232
NP-2T16S-V.35	NM-8A/S	PA-8T-V35
NP-2T16S0X21	NM-8A/S	PA-8T-X21
NP-2T16S-232V35	NM-8A/S	Not available
NP-2T16S-232-X21	NM-8A/S	Not available
NP-4B	NM-4B-S/T, NM-4B-U	PA-4B-U
NP-8B	NM-8B-S/T, NM-8B-U	PA-8B-U
NP-4GB	VWIC-1MFT-G703 VWIC-2MFT-G703	PA-4E1G/120
NP-4GU	VWIC-1MFT-G703 VWIC-2MFT-G703	PA-4E1/75
NP-1HSSI	NM-1HSSI	PA-H, PA-2H
NP-CE1U	NM-1CE1U, NM-2CE1U	PA-2CE1/PRI-75
NP-CE1B	NM-1CE1B, NM-2CE1B	PA-2CE1/PRI-120
NP-CT1	NM-1CT1, NM-1CT1-CSU, NM-2CT1, NM-2CT1-CSU	PA2CT1/PRI
NP-1A-DS3	NM-1A-T3 (available in IOS Release 12.1(2)T)	PA-A3-T3
NP-1A-E3	NM-1A-E3 (available in IOS Release 12.1(2)T)	PA-A3-E3
NP-1A-MM	NM-1A-OC3MM	PA-A3-OC3MM
NP-1A-SM	NM-1A-OC3SMI	PA-A3-OC3SMI
NP-1A-SM-LR	NM-1A-OC3SML	PA-A3-OC3SML
NP-1F-D-MM	Not available	PA-F-MM
NP-1F-S-M	Not available	PA-F-MM
NP-18-0-SS	Not available	PA-F-SM

Platform performance comparison

Platform	CPU Processor	Fast Switching pps	Process Switching pps
4500-M	R4600 100MHz	40-45kpps	4-5kpps
4700-M	R4600 133MHz	50-55kpps	6-7kpps
3620	R4700 80MHz RISC	20-40kpps	2kpps
3640	R4700 100MHz RISC	50-70kpps	3-4kpps
3661/3662	R5000 225MHz RISC	120kpps	12kpps
7204/7206VXR	NPE-225	225kpps	10 to12kpps
7204/7206 VXR	NPE-300	300kpps	18-20kpps

Customer application migration strategy

Application/IOS Feature	Recommended Platform	Comments
ISL/VLANs	3661/3662	Up to 50% higher bridging performance on 3660. For higher performance 7200 is recommended
Protocol Translation (PT)	3661/3662	Up to 50% higher PT performance on 3660
X25 Aggregation and Switching	3661/3662	Up to 50% higher X25 performance on the 3660
FDDI LAN connectivity	720x and 720xVXR Series	2-3 times the performance on the 7200 series
IBM/SNA/DLSw	3661 or 3662	Up to 50% improvement in performance on the 3660
VPN (L2TP, L2F)	3661/3662, 7100/720xVXR Series	Up to 50% improvement in performance and increased IDBs on the 3660. 7100/7200 recommended for higher performance
Async Dial-up	3640 or 3661/3662	Platform choice dependent on density, performance, and cost requirement
ISDN Aggregation	3620, 3640, 3661/3662	Platform choice dependent on density, performance and cost requirements
High-speed WAN Aggregation	3640, 3661,3662	Platform choice dependent on density, performance and cost requirements
Low-speed WAN Aggregation	3640, 3661/3662	Platform choice dependent on density, performance and cost NM-8A/S recommended
OC-3 ATM (MM, SMI, and SMLR modes)	3640, 3661/3662 or 7100/720xVXR	Wire-rate performance requires the 720x platforms
DS-3 and E3 ATM	3640/3661/3662, 7100/720xVXR	DS-3/E3 will be available on the 3600 Series in IOS Release 12.1(2)X
QoS including: WFQ, CRTP, RSVP, Policy Based Routing, RED/WRED, CAR, MLPPP	3661/3662, 7100/720x	The 3661/3662 provides the highest performance on the 3600 platforms
S/W Compression	3661/3662, 7100/720x VXR	3661/3662 has up to 50% improvement over 4500/4700 Hardware Compression also available on both platforms
S/W Encryption including IPSec and 3DES	3661/3662, 7100/720x VXR	3661/3661 has up to 50% improvement over 4500/4700 Hardware Encryption option available in Q3CY00 for the 3660
MPLS/ MPLS-VPN and MPLS/CoS	3661/3662 or 720x VXR	Platform choice dependent on configuration, density, performance and cost
Distributed Director	2500 or 720x	Platform choice dependent on configuration, density, performance and cost requirements

Platform Solution's Cost Comparison

Configuration	4500-M	4700-M	3620	3640	3661	7204VXRw/ NPE200
Base with IP Only S/W, 2E and 4T	\$18,300	\$17,800	\$8400	\$12,000	\$18,200 (Cisco3662)	\$19,500 (PA-4E)
Base with IP Only S/W, 1 FE and 2 PRI	\$17,200	\$19,700	\$9100	\$12,700	\$14,900	\$18,500 (7204VXR/ 225 bundle)
Base with 1 Token Ring, 1E and 2T	\$18,300 (includes NP-2E-FDX)	\$17,800 (includes NP-2E-FDX)	\$6700	\$10,300	\$14,500	\$21,000 (includes 7204VXR-225 with PA-4R)
Base with 1FE and 1 OC-3 MM ATM	\$21,200	\$23,700	10,900	\$14,500	\$16,700	\$22,000 (7204VXR/ 225 bundle)
Base with 1FE and 8-port BRI	\$13,300	\$18,800	\$6500	\$10,100	\$12,300	\$16,000 (7204VXR/ 225 bundle)

Cisco 4700M Distributed Director End-of-Life product numbers

Product Name	Description
DDIR-47M-E	Distributed Director 4700M, Ethernet (AC)
DDIR-47M-FE	Distributed Director 4700M, Fast Ethernet (AC)
DDIR-47M-FDM	Distributed Director 4700M, DAT MM FDDI (AC)
DDIR-47MDC-E	Distributed Director 4700M, Ethernet (DC)
DDIR-47MDC-FE	Distributed Director 4700M, Fast Ethernet (AC)
DDIR-47MDC-FDM	Distributed Director 4700M, DAT MM FDDI (DC)
SW47DD-11.1.XX	Distributed Director 4700M SW Version Update
CON-SNT-DDIR47	Distributed Director 4700M SMARTNET MAINT. contract

For Further Information:

- General information on the Cisco 4500-M and Cisco 4700-M can be found on the Web at:
<http://www.cisco.com/en/US/partner/products/hw/routers/ps5199/ps286/index.html>
- General information on the Cisco 3600 family can be found on the Web at:
<http://www.cisco.com/en/US/partner/products/hw/routers/ps274/index.html>
- General information on the Cisco 7200 and 7200VXR can be found on the Web at:
<http://www.cisco.com/en/US/partner/products/hw/routers/ps341/index.html>
- Cisco High-End routers at:
<http://www.cisco.com/warp/partner/synchronicd/cc/cisco/mkt/core/index.htm>
- Cisco Access Technologies at:
<http://www.cisco.com/warp/partner/synchronicd/cc/cisco/mkt/access/>



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