



# End of Sale: PA-A1 ATM Port Adapter

**With the availability of the PA-A3 Enhanced ATM port adapter for Cisco 7200 and 7500 Series Routers, the existing PA-A1 ATM port adapter for Cisco 7500 will reach end-of-sales status (EOS) effective Sept 22nd, 2002:**

## PRODUCTS AFFECTED

**Table 1** Port Adapters Entering End of Sale

PART NO	DESCRIPTION	EOS DATE
PA-A1-OC3MM for 7500	1 Port ATM OC3 Single-Mode, Intermediate-Reach Port Adapter	September 22nd , 2002
PA-A1-OC3MM=	1 Port ATM OC3 Single-Mode, Intermediate-Reach Port Adapter	September 22nd , 2002
PA-A1-OC3SM for 7500	1-Port ATM OC3 Multimode Port Adapter	September 22nd , 2002
PA-A1-OC3SM=	1-Port ATM OC3 Multimode Port Adapter	September 22nd , 2002

## SUPPORT

End of sale refers to the time when certain products are no longer available for new purchases. It does not apply to the service and support programs for those products. Cisco systems will continue to support the PA-A1 ATM port adapter through our SMARTnet and comprehensive maintenance programs. Customers with either of these service contracts are entitled to free software updates, 24-hour phone support through the Technical Assistance Center, and advanced replacement of hardware for repairs. Comprehensive maintenance customers also receive onsite 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 providing software support for a minimum of three (3) years and providing hardware support for a period of five (5) years after the EOS date.

## PRODUCT SUBSTITUTION

The Cisco Technology Migration Program (TMP) incorporates generous trade-in credits for the ATM port adapter (PA-A1) toward the enhanced ATM port adapter (PA-A3).

All the Features of PA-A1 are incorporated in PA- A3.



**Table 2** Port Adapter Substitutions

PART NO	SUBSTITUTE
PA-A1-OC3MM for 7500	PA-A3-OC3MM
PA-A1-OC3MM=	PA-A3-OC3MM=
PA-A1-OC3SM for 7500	PA-A3-OC3SMI / PA-A3-OC3SML
PA-A1-OC3SM=	PA-A3-OC3SMI= / PA-A3-OC3SML=

The enhanced ATM port adapter (ATM PA-A3) is a new generation of single-wide, single-port ATM port adapters for the Cisco 7200 and 7500 Series routers.

The PA-A3 enhanced ATM port adapter introduces many new ATM hardware and software features. Its comprehensive ATM feature set includes per-VC traffic shaping, support for many ATM Services Classes (nrt-VBR, ABR, and UBR), a new high-performance SAR architecture and support for a very large number of ATM virtual connections (VC). All of these features are based on industry specifications and standards.

**Table 3** Feature Comparison Matrix

Specification	Feature	PA-A1-OC3MM/SM	PA-A3-OC3MM/SM
Physical Interface		1 Port Single wide , native-ATM port adapter (SC Duplex Connector )	1 Port Single Wide, ATM OC-3c/ STM-1 (SC Duplex Connector )
Min IOS Release Support			11.1(22)CC, 12.0(1), 12.0(3)T, 12.0(5)S,12.1(E),12.1(1)T,12.1
	Performance – Architecture	Supports the equivalent of 512 simultaneous packet SARs	Uses dual high performance SARs with local buffering and ATM service category prioritization .Upto 1024 simultaneous segmentations and reassembles .
	ATM Forum Service Classes	UBR Class Of Service	Supports ATM Forum Traffic Management Specification 4.0 service classes nrtVBR,ABR and UBR
	Traffic Management	N/A	Traffic Shaping in hardware on per VC and per VP basis
	Virtual Connections	2000 Virtual Connections	4096 Virtual Connections
	ATM specific	UNI 3.0/3.1, LANE,ILMI RFC 1483, RFC 1577	UNI 3.0/3.1/4.0,LANE ,ILMI, RFC 1483,RFC 1577
	IP COS over ATM Capability	N/A	Supports IOS software ATM IP to ATM Class of Service ( IP to ATM CoS)



	MPLS	N/A	Supported
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### Hardware/Software Support

The PA-A3 enhanced ATM port adapter is supported on the following platforms on the Cisco 7500

**Table 4** Hardware Support

VIP2-40	VIP2-50
VIP4-50	VIP4-80

**Table 5** Minimum IOS Supported

PA-A3-OC3MM / PA-A3-OC3MM=	11.1(22)CC, 12.0(1), 12.0(3)T,12.0(5)S, 12.1(1)E, 12.1(1)
PA-A3-OC3SMI / PA-A3-OC3SMI=	11.1(22)CC, 12.0(1), 12.0(3)T,12.0(5)S, 12.1(1)E, 12.1(1)
PA-A3-OC3SML / PA-A3-OC3SML=	11.1(22)CC, 12.0(1), 12.0(3)T,12.0(5)S, 12.1(1)E, 12.1(1)

### PROGRAM DATES

**Table 6** End of Life Schedule

<b>End of Sale</b>	<b>September 22nd, 2002</b> (This product will no longer be orderable after the date specified.)
<b>End of Shipment</b>	<b>October 22nd, 2002</b> (Depending on size of final orders and resultant lead times.)
<b>End of Software Maintenance</b>	September 22nd , 2005
<b>End of Hardware Maintenance</b>	<b>September 22nd, 2007</b> (No hardware repairs or exchanges will be available for the PA-A1 for the Cisco 7500.)

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