



PRODUCT BULLETIN NO. 2971

END-OF-SALE AND END-OF-LIFE ANNOUNCEMENT FOR THE CISCO MGX NARROW BAND SERVICE MODULES

Cisco Systems® announces the end-of-sale and end-of-life dates for the MGX Narrow Band Service Modules. The last day to order the affected products will be July 31, 2006. Customers with active service contracts will continue to receive support from the Cisco Technical Assistance Center (TAC) until July 31, 2011. Table 1 describes the planned end-of-life milestones, definitions, and dates for the affected products. Table 2 lists the product part numbers affected by this announcement, which encompasses all of the MGX Narrow Band Service Module hardware and firmware products.

Customers are encouraged to migrate to the MGX Multi-protocol Service Modules. Information about these replacement products can be found at http://www.cisco.com/en/US/prod/collateral/switches/ps2346/ps5727/ps1938/product_data_sheet0900aecd80272857.html , http://www.cisco.com/en/US/prod/collateral/switches/ps2346/ps5727/ps1938/product_data_sheet0900aecd801cc281.html. Table 3 provides relevant information for migrating to the replacement products.

Table 1. End-of-Life Milestones and Dates for the Cisco MGX Narrow Band Service Modules

Milestone	Definition	Date
End-of-life announcement date	The date the document that announces the end of sale and end of life of a product is distributed to the general public.	July 31, 2005
End-of-sale date	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date.	July 31, 2006
Last shipment date	The last-possible ship date that can be requested of Cisco and/or its contract manufacturers. Actual ship date is dependent on lead time.	October 31, 2006
End of software maintenance releases date	The last date that Cisco Engineering may release any final software maintenance releases or bug fixes. After this date, Cisco Engineering will no longer develop, repair, maintain, or test the product software.	July 31, 2008
End of routine failure analysis date	The last-possible date a routine failure analysis may be performed to determine the cause of product failure or defect.	July 31, 2008
End of new service attachment date	For equipment and software that is not covered by a service-and-support contract, this is the last date to order a new service-and-support contract or add the equipment and/or software to an existing service-and-support contract.	July 31, 2007
End of service contract renewal date	The last date to extend or renew a service contract for the product.	January 31, 2010
Last date of support	The last date to receive service and support for the product. After this date, all support services for the product are unavailable, and the product becomes obsolete.	July 31, 2011



Table 2. Product Part Numbers Affected by This Announcement

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description
AX-FRSM-8E1	Frame Service Module, eight fractional E1 ports	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
AX-FRSM-8E1=	Frame Service Module, eight fractional E1 ports - spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
AX-FRSM-8E1-4=	Frame Service Module, eight fractional E1 ports, 4xxx firmware	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
AX-FRSM-8E1-C	Frame Service Module, eight channelized E1 ports	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
AX-FRSM-8E1-C=	Frame Service Module, eight channelized E1 ports - spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
AX-FRSM-8E1-C-4=	Frame Service Module, eight channelized E1 ports, 4xxx firmware	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1
AX-FRSM-8E1-C-RF	Frame Service Module, eight channelized E1 ports, refurbished	None	None
AX-FRSM-8E1-FS=	AX-FRSM-8E1, AX-SMB-8E1, and AX-FS-8 bundle	None	None
AX-FRSM-8T1	Frame Service Module, eight fractional T1 ports	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
AX-FRSM-8T1=	Frame Service Module, eight fractional T1 ports - spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
AX-FRSM-8T1-C	Frame Service Module, eight channelized T1 ports	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
AX-FRSM-8T1-C=	Frame Service Module, eight channelized T1 ports - spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
AX-FRSM-8T1-C-4=	Frame Service Module, eight channelized T1 ports, 4xxx firmware	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
AX-FRSM-8T1-C-RF	Frame Service Module, eight channelized T1 ports, refurbished	None	None
AX-FRSM-HS1-4=	Frame Service Module, high speed serial interface, 4xxx firmware	MGX-FRSM-HS2/B=	Frame Service Module, high speed serial interface, version 2 - spare
AX-FRSM-HS1-RF	Frame Service Module, high speed serial interface - refurbished	MGX-FRSM-HS2/B-RF	Frame Service Module, high speed serial interface, version 2 - refurbished
CHFRSM-8E1-C	AX-FRSM-8E1-C and AX-FS-8 bundle	None	None
CHFRSM-8E1-C=	AX-FRSM-8E1-C and AX-FS-8 bundle - spare	None	None
EXPAND-FRSM-8E1	Expansion class AX-FRSM-8E1-FS	None	None
FRSM CABLE OPTS	Cable options for DTE or DCE applications	None	None
FRSM FW OPTIONS	FRSM firmware options	None	None



End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description
FRSM PROMO EXPAND	Expansion class for FRSM promo	None	None
FRSM-8 FW OPTIONS	FRSM-8 Firmware options	None	None
FRSM-8E1 BC OPT	AX-FRSM-8E1 Back card option class	None	None
FRSM-8E1-C BC OPT	AX-FRSM-8E1-C Back card option class	None	None
FRSM-8T1 BC OPT	AX-FRSM-8T1 Back card option class	None	None
FRSM-8T1 BC OPTION	AX-FRSM-8T1 Back card options	None	None
FRSM-8T1-C BC OPT	AX-FRSM-8T1-C Back card option class	None	None
FRSM-8T1-MOT	Frame service module, 8 fractional T1s for Motorola	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
FRSM-8T1-MOT=	Frame service module, 8 fractional T1s for Motorola - spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
FRSM1134BUND=	FRSM card with Foresight and 1.1.34 software loaded	None	None
MGX FRSM FW OPTS	FRSM firmware options for spares	None	None
MGX-FRSM-2CT3	Frame service module, two T3 channelized ports	MPSM-T3E3-155	8 port Multi-Protocol Service Module – T3E3
MGX-FRSM-2CT3=	Frame service module, two T3 channelized ports - spare	MPSM-T3E3-155=	8 port Multi-Protocol Service Module – T3E3 - spare
MGX-FRSM-2CT3-RF	Frame service module, two T3 channelized ports - refurbished	None	None
MGX-FRSM-2T3E3	Frame service module, two T3/E3 ports	MPSM-T3E3-155	8 port Multi-Protocol Service Module – T3E3
MGX-FRSM-2T3E3=	Frame service module, two T3/E3 ports - spare	MPSM-T3E3-155=	8 port Multi-Protocol Service Module – T3E3 - spare
MGX-FRSM-2T3E3-RF	Frame service module, two T3/E3 ports - refurbished	None	None
MGX-STDABR-FRSM-8	Standard ABR license for FRSM-8T1, FRSM-8T1-C, FRSM-8E1, FRSM-8E1-C	MPSM-RC-8-LIC	ForeSight or standard available-bit-rate (ABR) license for Frame Relay services on the Cisco 8-port T1/E1 MPSM
MGX-STDABR-FRSM-8=	Standard ABR license for FRSM-8T1, FRSM-8T1-C, FRSM-8E1, FRSM-8E1-C - spare	MPSM-RC-8-LIC(=)	ForeSight or standard available-bit-rate (ABR) license for Frame Relay services on the Cisco 8-port T1/E1 MPSM
PPN-FRSM-2CT3-SFC	Surface finish change for MGX-FRSM-2CT3	None	None
PPN-FRSM-2T3E3-SFC	Surface finish change for MGX-FRSM-2T3E3	None	None
PPN-FRSM-8E1-SFC	Surface finish change for AX-FRSM-	None	None



End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description
	8E1		
PPN-FRSM-8E1C-SFC	Surface finish change for AX-FRSM-8E1-C	None	None
PPN-FRSM-8T1-SFC	Surface finish change for AX-FRSM-8T1	None	None
PPN-FRSM-8T1C-SFC	Surface finish change for AX-FRSM-8T1-C	None	None
AX-FS-8	MGX Foresight/Std ABR standard license for the FRSM 8	MPSM-RC-8-LIC	Foresight/Std. ABR License for MPSM-8 Modules
AX-FS-8=	MGX Foresight/Std ABR standard license for the FRSM 8 - spare	MPSM-RC-8-LIC=	Foresight/Std. ABR License for MPSM-8 Modules - Spare
AX-AUSM-8E1-4=	ATM UNI Service Module, eight E1 ports, 4xxx firmware	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
AX-AUSM-8T1-4=	ATM UNI Service Module, eight T1 ports, 4xxx firmware	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
AX-AUSM-8T1-RF	ATM UNI Service Module, eight T1 ports - refurbished	None	None
CHAUSM-8E1/B	One MGX-AUSM-8E1/B with one AX-RJ-48-8E1 backcard	None	None
CHAUSM-8E1/B=	One MGX-AUSM-8E1/B with one AX-RJ-48-8E1 backcard - spare	None	None
MGX-AUSM-8E1/B	ATM UNI Service Module, version B, with eight E1 ports	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
MGX-AUSM-8E1/B=	ATM UNI Service Module, version B, with eight E1 ports - spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
MGX-AUSM-8T1/B	ATM UNI Service Module, version B, with eight T1 ports	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
MGX-AUSM-8T1/B=	ATM UNI Service Module, version B, with eight T1 ports - spare	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
1134 AUSM OPT	ATM UNI Service Module card options	None	None
AUSM FW OPTIONS	ATM UNI Service Module firmware options	None	None
AUSM-8 FW OPTIONS	ATM UNI Service Module – 8 port firmware options	None	None
AUSM-8E1 BC OPT	AX-AUSM-8E1=, back card option class	None	None
AUSM-8T1 BC OPT	AX-AUSM-8T1=, back card option class	None	None
AUSM-B FW OPTIONS	ATM UNI Service Module, version B, firmware options	None	None
AUSM1134BUND=	ATM UNI Service Module board with SW version 1.1.34 loaded	None	None
MGX-STDABR-AUSM/B	Standard ABR license for AUSM-8T1/B, AUSM-8E1/B	MPSM-RC-8-LIC	Foresight/Std. ABR License for MPSM-8 Modules



End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description
MGX-STDABR-AUSM/B=	Standard ABR license for AUSM-8T1/B, AUSM-8E1/B - spare	MPSM-RC-8-LIC=	Foresight/Std. ABR License for MPSM-8 Modules - Spare
PPN-AUSM-8E1/B-SFC	Surface finish change for MGX--AUSM-8E1/B	None	None
PPN-AUSM-8T1/B-SFC	Surface finish change for MGX--AUSM-8T1/B	None	None
AX-CESM-8E1	Circuit Emulation Service Module, eight E1 ports	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
AX-CESM-8E1=	Circuit Emulation Service Module, eight E1 ports - spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
AX-CESM-8E1-RF	Circuit Emulation Service Module, eight E1 ports - refurbished	None	None
AX-CESM-8T1-RF	Circuit Emulation Service Module, eight T1 ports - refurbished	None	None
AX-CESM-T3E3	Circuit Emulation Service Module, one T3 or E3 port	None	None
AX-CESM-T3E3=	Circuit Emulation Service Module, one T3 or E3 port - spare	None	None
MGX-CESM-8E1/B	Circuit Emulation Service Module, eight E1 ports, model B	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
MGX-CESM-8E1/B=	Circuit Emulation Service Module, eight E1 ports, model B= spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
MGX-CESM-8T1/B	Circuit Emulation Service Module, eight T1 ports, model B	MPSM-8-T1E1	8 port Multi-Protocol Service Module - T1E1
MGX-CESM-8T1/B=	Circuit Emulation Service Module, eight T1 ports, model B= spare	MPSM-8-T1E1=	8 port Multi-Protocol Service Module - T1E1 - spare
MGX-CESM-T3E3	Circuit Emulation Service Module, one T3 or E3 port	None	None
MGX-CESM-T3E3=	Circuit Emulation Service Module, one T3 or E3 port - spare	None	None
MGX-CESM-T3E3-RF	Circuit Emulation Service Module, one T3 or E3 port - refurbished	None	None
CESM FW OPTIONS	Circuit Emulation Service Module firmware options	None	None
CESM- 8E1 BC OPT	AX-CESM-8E1= back card option class	None	None
CESM-8 FW OPTIONS	Circuit Emulation Service Module 8 firmware options	None	None
CESM-8 License	CESM-8 Feature license options	None	None
CESM-8T1 BC OPT	AX-CESM-8T1= back card option class	None	None
AX-SDT-8	Structured Data Transfer License for 8 port CESMs	None	None
AX-SDT-8=	Structured Data Transfer License for 8	None	None



End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description
	port CESMs - spare		
CHCESM-8E1	Circuit Emulation Service Module firmware options	None	None

PRODUCT MIGRATION OPTIONS

The recommended replacements for the Cisco Narrow Band Service Modules are the Cisco Multi-protocol Service Modules. The Cisco Multi-protocol Service Modules (MPSM) are single-height service modules for use in the Cisco MGX 8800 and Cisco MGX 8200 Multiservice Switches. The MPSM delivers connectivity from DS0 to OC-3 (STM-1) speeds. The Cisco MPSM-8-T1E1 supports the same functionality as the Cisco 8-port FRSM, AUSM and CESM Narrow Band service modules. The Cisco MPSM-T3E3-155 and MPSM-16-T1E1 support Any-Service-Any-Port (ASAP) functionality which allows both ATM and Frame Relay services to be provisioned on the same card. See Table 3 for a brief product comparison.

Table 3. Product Comparisons

Feature	Cisco Narrow Band Service Modules	Cisco Multi-protocol Service Modules
ATM UNI Service	AUSM-8T1/E1	MPSM-8T1/E1 & MPSM-T3/E3-155, & MPSM-16-T1E1
Circuit Emulation	CESM-8T1/E1	MPSM-8T1/E1
Frame Relay	FRSM-8T1/E1	MPSM-8T1/E1 & MPSM-T3/E3-155, & MPSM-16-T1E1
Any Service Any Card	No	Yes
Private Network-Network Interface	Not supported	MPSM-T3/E3-155, & MPSM-16-T1E1
Per port configuration for Frame Relay UNI or NNI	FRSM-8T1/E1	MPSM-8T1/E1
Frame Relay – ForeSight closed loop management and flow control	FRSM-8T1/E1	MPSM-8T1/E1, MPSM-T3/E3-155, & MPSM-16-T1E1
T3/E3 support	CESM-8T3/E3 – one port	MPSM-T3/E3-155 – three ports (No CESM support)
Any service any port	None	MPSM-T3/E3-155 & MPSM-16-T1E1

Customers can use the Cisco Technology Migration Plan (TMP) to trade in products and receive credit toward the purchase of new Cisco equipment. For more information about Cisco TMP, go to: <http://www.cisco.com/go/tradein/>. The Cisco TMP application requires all users to have a Cisco.com user ID.

FOR MORE INFORMATION

For more information about the Cisco Multiprotocol Service Modules, visit <http://www.cisco.com/en/US/products/hw/switches/ps1938/index.html> or contact your local account representative.

For more information about the Cisco End-of-Life Policy, go to: http://www.cisco.com/en/US/products/prod_end_of_life.html



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