



# End of Sales/End of Life Announcement for the Cisco MGX 8220 Edge Concentrator

(also known as the StrataCom AXIS Shelf product)

**Cisco Systems, Inc. is officially announcing the End of Sales/End of Life of the Cisco MGX<sup>®</sup> 8220 Edge Concentrator product effective March 1, 2002. Cisco customers may continue to receive software and hardware support for a longer period (as set forth below).**

Cisco has decided to discontinue the Cisco MGX 8220 and replace it with next-generation platforms that provide higher capabilities, new features and future development. To protect customers' initial investments, some service modules and related components in the Cisco MGX 8220 are supported in the Cisco 8230 and Cisco MGX 8250 Edge Concentrators as indicated in Table 2.

In summary, the Cisco direction for the Cisco MGX 8220 product line is as follows:

Cisco MGX 8220

Milestone	Effective Date
<b>End of Sales Announcement</b>	March 1, 2002
<b>End of Sales</b>	September 2, 2002
<b>End of Production</b>	October 2, 2002
<b>End of Hardware Maintenance (Engineering)</b>	March 1, 2004
<b>End of Software Maintenance (Engineering)</b>	March 1, 2005
<b>End of Software Support</b>	March 1, 2007
<b>Discontinue Contract Renewal</b>	March 1, 2006
<b>End of Support and Product Obsolescence</b>	March 1, 2007

## Definitions

Date	Definition
<b>End of Sales Announcement/External Announcement Date</b>	The date that the end of sales announcement will be released to the public.
<b>End of Sales/Last Order (Sales) Date</b>	The last date to enter orders of the product in the Network MarketPlace "Orderability" tool.
<b>End of Production/Last Shipment Date</b>	The date that Manufacturing completed/will complete fulfillment and shipment of new equipment purchase orders.
<b>End of Hardware Maintenance Date (Engineering)</b>	The date that Engineering ceased/will cease considering the repair/maintenance of confirmed hardware defects related to components within this system configuration.
<b>End of Software Maintenance Date (Engineering)</b>	The date that Engineering ceased/will cease considering the repair/maintenance of confirmed Operating System (OS) software defects or card download software defects within this system configuration.
<b>End of Software Support Date</b>	The date that the Technical Assistance Center (TAC) ceased/will cease considering support calls on WAN card firmware.
<b>Discontinue Contract Renewal Date</b>	The date that renewing/extending a service contract for this system will discontinue.
<b>End of Support and Product Obsolescence Date</b>	The date that Cisco Logistics (in conjunction with Manufacturing) will cease honoring its commitment to process Return Material Authorization (RMA) orders for components with this system configuration; it is also the date that the Cisco Technical Assistance Center (TAC) will cease honoring its commitment to assist customers with any issues related to components with this system configuration.

## Cisco MGX 8220 Part Numbers

Listed below in Table 1 are the Cisco MGX 8220 part numbers that are affected by this End of Sales/End of Life announcement.

Table 1

### Cisco MGX 8220 Part Numbers

Product Number	Product Description	End of Sales Last Order (Sales) Date	End of Production Last Shipment Date	End of Engineering Hardware Maintenance Date	End of Engineering Software Maintenance Date	End of Software Support Date	Discontinue Contract Renewal Date	End of Support/Product Obsolescence Date
MGX8220	Cisco MGX 8220, 16-slot, rack-mount, ASC2, ASC-BC	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
Cisco MGX 8220 Cabinets		9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
<b>Cisco MGX 8220 Core Cards</b>								
ASC2	MGX 8220 Enhanced Controller Card	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-ASC2F=	MGX 8220 Enhanced Controller Card with Flash drive	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07

Product Number	Product Description	End of Sales Last Order (Sales) Date	End of Production Last Shipment Date	End of Engineering Hardware Maintenance Date	End of Engineering Software Maintenance Date	End of Software Support Date	Discontinue Contract Renewal Date	End of Support/Product Obsolescence Date
AX-T3E3-D-BC	Broadband Network Module (BNM) back card with DB-15 clock connector	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-T3E3-D-BC=	BNM back card with DB-15 clock connector	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-T3E3-B-BC	BNM back card with BNC clock connector	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-T3E3-B-BC=	BNM back card with clock connector	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BNM-155	BNM with one SONET/SDH <sup>1</sup> (155-Mbps) port	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-SMF-155	BNM back card with a single-mode fiber interface	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-SMF-155=	BNM back card with a single-mode fiber interface	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BNC-3T3-M	Service resource module (SRM) back card with three T3 BNC connectors	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BNC-3T3-M=	SRM back card with three T3 BNC connectors	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BNM-E3/B	BNM 1-E3 port, model B	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BNM-E3/B=	BNM 1-E3 port, model B, spare	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BNM-T3/B	BNM 1-T3 port, model B	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BNM-T3/B=	BNM 1-T3 port, model B, spare	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07

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<b>Cisco MGX 8220 Service Modules</b>								
AX-FRSM-HS1	Frame service module, High-speed Serial Interface (HSSI)	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-FRSM-HS1=	Frame service module, HSSI	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-DB15-4X21	4-Port X.21 back card for the AX-FRSM-HS 1	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-DB15-4X21=	4-port X.21 back card for the AX-FRSM-HS 1	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-SCSI2-2HSSI	2-port HSSI back card, SCSI-2 connectors	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-SCSI2-2HSSI=	2-port HSSI back card for the AX-FRSM-HS 1	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-SRM-T1E1/B	Service Resource Module, Model B	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-SRM-T1E1/B=	Service Resource Module, Model B, Spare	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
<b>Cisco MGX 8220 Options and Accessories</b>								
AX-DC	Cisco MGX 8220 DC power entry module	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-DC=	Cisco MGX 8220 DC power entry module	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-AC1-1	AC power option 1-one 1200 watt, one AC input	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07

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AX-AC1-1=	AC power option 1-one 1200 watt, one AC input	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-AC2-1	AC power option 2-two 1200 watt, one AC input	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-AC2-1=	AC power option 2-two 1200 watt, one AC input	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-AC2-2	AC power option 3-two 1200 watt, two AC input	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-AC2-2=	AC power option 3-two 1200 watt, two AC input	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-PS-AC	1200 watt AC power supply	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-PS-AC=	1200 watt AC power supply	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
MGX8220-CH=	Cisco MGX 8220 base unit-spare	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-ASC-BC=	Cisco MGX 8220 controller card back card	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-AC-RACK1=	AC power supply rack encl, one AC line input	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-AC-RACK2=	AC power supply rack enclosure, two AC line inputs	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-MNT23	Mounting kit to install Cisco MGX 8220 chassis in a 23-inch rack	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-MNT23=	Mounting kit to install Cisco MGX 8220 chassis in a 23-inch rack	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07

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BPX-AX-AC/FAN-MNT	Mounting kit to install AC, cooling or ESPs <sup>2</sup> in a 23-inch rack	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
BPX-AX-AC/ FAN-MNT=	Mounting kit to install AC, cooling or ESPs in a 23-inch rack	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-CAB-AC-SHRT=	Short cable, AC shelf to Cisco MGX 8220	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-CAB-AC-LONG=	Long cable, AC shelf to Cisco MGX 8220	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-SRM-T1E1/B=	Service resource module, model B, spare	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
ASC/B-FLASH-UPG	Flash Upgrade for ASC, ASC/B	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
ASC2-FLASH-UPG	Flash Upgrade for FOR ASC2	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
PLENUM-AXIS=	PLENUM AXIS FRU <sup>3</sup>	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
<b>Cisco MGX 8220 Cooling Options</b>								
AX-COOL2	MGX 8220 two shelf cooling	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-COOL2=	MGX 8220 two shelf cooling	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BOOST2	MGX 8220 additional two shelf cooling	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
AX-BOOST2=	MGX 8220 additional two shelf cooling	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	3/1/06	3/1/07
<b>Cisco MGX 8220 Firmware</b>								
AXFW-5010	MGX 8220 Firmware 5.0.10	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A <sup>5</sup>	3/1/07

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AXFW-5011	MGX 8220 Firmware 5.0.11	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AXFW-5012	MGX 8220 Firmware 5.0.12	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AXFW-5013	MGX 8220 Firmware 5.0.13	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AXFW-5015	MGX 8220 Firmware 5.0.15	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5010	Firmware media kit for use with MGX 8220 5.0.10	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5011	Firmware media kit for use with MGX 8220 5.0.11	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5012	Firmware media kit for use with MGX 8220 5.0.12	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5013	Firmware media kit for use with MGX 8220 5.0.13	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5015	Firmware media kit for use with MGX 8220 5.0.15	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5017	Firmware media kit for use with MGX 8220 5.0.17	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5018	Firmware media kit for use with MGX 8220 5.0.18	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5010-DOS	Firmware media kit for use with MGX 8220 5.0.10	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5011-DOS	Firmware media kit for use with MGX 8220 5.0.11	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07

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AX-FW-5011-DOS=	Firmware media kit for use with MGX 8220 5.0.11	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5012-DOS	Firmware media kit for use with MGX 8220 5.0.12	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5012-DOS=	Firmware media kit for use with MGX 8220 5.0.12	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5013-DOS	Firmware media kit for use with 8220 5.0.13	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5013-DOS=	Firmware media kit for use with MGX 8220 5.0.13	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5015-DOS	Firmware media kit for use with MGX 8220 5.0.15	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5015-DOS=	Firmware media kit for use with MGX 8220 5.0.15	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5017-DOS	Firmware media kit for use with MGX 8220 5.0.17	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5017-DOS=	Firmware media kit for use with MGX 8220 5.0.17	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5018-DOS	Firmware media kit for use with MGX 8220 5.0.18	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
AX-FW-5018-DOS=	Firmware media kit for use with MGX 8220 5.0.18	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
<b>Cisco MGX 8220 Software/Feature Licenses</b>								
AX-FS-4=	MGX 8220 ForeSight license for each 4-port T1/E1 FRSM <sup>4</sup>	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07

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AX-FUNI-4=	MGX 8220 FUNI license for each frame service module	9/2/02	10/2/02	3/1/04	3/1/05	3/01/07	N/A	3/1/07
<b>Cisco MGX 8220 Documentation</b>								
DOC-AXIS-M4.0=	Cisco StrataCom AXIS Documentation Set 4.0	9/2/02	10/2/02	3/1/04	3/1/05	N/A	N/A	3/1/07
DOC-SCAXISCR-4.0=	Cisco StrataCom AXIS Command Reference	9/2/02	10/2/02	3/1/04	3/1/05	N/A	N/A	3/1/07
DOC-785389=	R4.1 Cisco MGX 8220 Command Reference	9/2/02	10/2/02	3/1/04	3/1/05	N/A	N/A	3/1/07
DOC-7811241=	WAN CiscoView Release 3 for Cisco MGX 8250 Edge Concentrator, Release 1	9/2/02	10/2/02	3/1/04	3/1/05	N/A	N/A	3/1/07

<sup>1</sup> SONET/SDH=Synchronous Optical Network/Synchronous Digital Hierarchy

<sup>2</sup> ESP=Encapsulating Security Payload

<sup>3</sup> FRU Field-replaceable unit

<sup>4</sup> FRSM=Frame relay service module

<sup>5</sup> N/A=Not Applicable

## Cisco MGX 8220 Service Module, ASC/BNM Cards, and MGX 8220 Bootcode Image Replacement Information

Table 2 indicates which Cisco MGX 8220 service modules are supported and not supported in the Cisco MGX 8230 and MGX 8250. For the purposes of this table, the Cisco MGX 8250 is considered equivalent to the Cisco MGX 8850 equipped with a PXM-1 type controller card.

Note 1: In Table 2, the Cisco MGX 8220 service modules supported in the Cisco MGX 8230 and MGX 8250 (marked with a “Y”) may be physically moved from the Cisco MGX 8220 system to a Cisco MGX 8230 or MGX 8250. Before removing the service modules from the Cisco MGX 8220, the customer should upgrade the bootcode image to the versions listed in Table 3.

Please note that service modules that are marked with a “Y” are not going through the end of sales/end of life process, but are included in the matrix for completeness.

Note 2: In Table 4, the combined ASC and BNM cards supported in the Cisco MGX 8220 can be replaced with the cards in Cisco MGX 8230 and MGX 8250. To identify proper card replacements, refer to the replacement options listed in Table 4.

Table 2

Cisco MGX 8220 Service Module, ASC/BNM Cards, and MGX 8220 Bootcode Image Replacement Information

Cisco MGX 8220 Service Modules	Service Modules Description	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8230	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8250	Replace with Cisco MGX 8230	Replace with Cisco MGX 8250
<b>AX-AC1-1</b>	AC power option 1—one 1200 watt, one AC input	N <sup>1</sup>	N	MGX-8230-PS-AC	MGX8250-AC1-1
<b>AX-AC1-1=</b>	AC power option 1—one 1200 watt, one AC Input	N	N	MGX-8230-PS-AC	MGX8250-AC1-1=
<b>AX-AC2-1</b>	AC power option 2—two 1200 watt, one AC input	N	N	MGX-8230-PS-AC-R=	MGX8250-AC2-2
<b>AX-AC2-1=</b>	AC power option 2—two 1200 watt, one AC input	N	N	MGX-8230-PS-AC-R=	MGX8250-AC2-2=
<b>AX-AC2-2</b>	AC power option 3—two 1200 watt, two AC input	N	N	MGX-8230-PS-AC-R=	MGX8250-AC2-2
<b>AX-AC2-2=</b>	AC power option 3—two 1200 watt, two AC input	N	N	MGX-8230-PS-AC-R=	MGX8250-AC2-2=
<b>AX-CAB-AC-LONG</b>	Long cable, AC shelf to Cisco MGX 8220	N	N	MGX-8230-CAB-AC=	MGX-CAB-AC/DC=
<b>AX-CAB-AC-SHRT</b>	Short cable, AC Shelf to Cisco MGX 8220	N	N	MGX-8230-CAB-AC=	MGX-CAB-AC/DC=
<b>AX-ASC2</b>	Cisco MGX 8220 Enhanced Controller card	N	N	See Table 4	See Table 4
<b>AX-ASC2F</b>	Cisco MGX 8220 Enhanced Controller Card with Flash drive	N	N	See Table 4	See Table 4
<b>AX-AUSM-8E1</b>	ATM UNI service module, 8 E1 Ports	N	N	MGX-AUSM-8E1/B	MGX-AUSM-8E1/B
<b>AX-AUSM-8E1=</b>	ATM UNI service module, 8 E1 Ports	N	N	MGX-AUSM-8E1/B=	MGX-AUSM-8E1/B=
<b>AX-AUSM-8T1</b>	ATM UNI service module, 8 T1 Ports	N	N	MGX-AUSM-8T1/B	MGX-AUSM-8T1/B

Cisco MGX 8220 Service Modules	Service Modules Description	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8230	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8250	Replace with Cisco MGX 8230	Replace with Cisco MGX 8250
<b>AX-AUSM-8T1=</b>	ATM UNI service module, 8 T1 Ports	N	N	MGX-AUSM-8T1/B=	MGX-AUSM-8T1/B=
<b>AX-BNC-3T3</b>	SRM back card with 3 T3 BNC connectors	N	N	MGX-BNC-3T3-M	MGX-BNC-3T3-M
<b>AX-BNC-3T3-M</b>	SRM back card with 3 T3 BNC connectors	N	N	MGX-BNC-3T3-M=	MGX-BNC-3T3-M=
<b>AX-BNM-xxx</b>	BNM with one port	N	N	See Table 4	See Table 4
<b>AX-CESM-8E1</b>	Circuit emulation service module, 8 E1 ports	Y <sup>2</sup>	Y	See Table 3	See Table 3
<b>AX-CESM-8E1=</b>	Circuit emulation service module, 8 E1 ports	Y	Y	See Table 3	See Table 3
<b>AX-CESM-8T1</b>	Circuit emulation service module, 8 T1 ports	Y	Y	See Table 3	See Table 3
<b>AX-CESM-8T1=</b>	Circuit emulation service module, 8 T1 ports	Y	Y	See Table 3	See Table 3
<b>AX-COOL2</b>	Cisco MGX 8220 two shelf cooling	N	N	MGX-8230-FANTRAY=	MGX-FAN
<b>AX-DB15-4X21</b>	4-port X.21 back card for the AX-FRSM-HS1	N	N	MGX-12IN1-8S	MGX-12IN1-8S
<b>AX-DB15-4X21=</b>	4-port X.21 back card for the AX-FRSM-HS1	N	N	MGX-12IN1-8S=	MGX-12IN1-8S=
<b>AX-DC</b>	Cisco MGX 8220 DC power entry module	N	N	MGX-8230-PEM	MGX-DC
<b>AX-FRSM-8E1</b>	Frame service module, 8 fractional E1 ports	Y	Y	See Table 3	See Table 3
<b>AX-FRSM-8E1=</b>	Frame service module, 8 fractional E1 ports	Y	Y	See Table 3	See Table 3
<b>AX-FRSM-8E1-C</b>	Frame service module, 8 channelized E1 ports	Y	Y	See Table 3	See Table 3
<b>AX-FRSM-8E1-C=</b>	Frame service module, 8 channelized E1 ports	Y	Y	See Table 3	See Table 3
<b>AX-FRSM-8T1</b>	Frame service module, 8 fractional T1 ports	Y	Y	See Table 3	See Table 3
<b>AX-FRSM-8T1=</b>	Frame service module, 8 fractional T1 Ports	Y	Y	See Table 3	See Table 3
<b>AX-FRSM-8T1-C</b>	Frame service module, 8 channelized T1 ports	Y	Y	See Table 3	See Table 3
<b>AX-FRSM-8T1-C=</b>	Frame service module, 8 channelized T1 ports	Y	Y	See Table 3	See Table 3
<b>AX-FRSM-HS1</b>	Frame service module, HSSI	N	N	MGX-FRSM-HS2	MGX-FRSM-HS2
<b>AX-FRSM-HS1=</b>	Frame service module, HSSI	N	N	MGX-FRSM-HS2=	MGX-FRSM-HS2=
<b>AX-IMATM-8E1/B</b>	IMA trunk module, 8 E1s, Bulk	TBD <sup>3</sup>	TBD	No replacement available	No replacement available

Cisco MGX 8220 Service Modules	Service Modules Description	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8230	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8250	Replace with Cisco MGX 8230	Replace with Cisco MGX 8250
<b>AX-IMATM-8E1/B=</b>	IMA trunk module, 8 E1s, bulk	TBD	TBD	No replacement available	No replacement available
<b>AX-IMATM-8T1/B</b>	IMA trunk module, 8 T1s, bulk	TBD	TBD	No replacement available	No replacement available
<b>AX-IMATM-8T1/B=</b>	IMA trunk module, 8 T1s, bulk	TBD	TBD	No replacement available	No replacement available
<b>AXIS-CH</b>	AXIS base unit	N	N	MGX8230	MGX8250
<b>AXIS-CH=</b>	Spare AXIS base unit	N	N	MGX8230=	MGX8250
<b>AX-PS-AC</b>	1200-W AC power supply	N	N	MGX-8230-PS-AC=	PS-1200-AC
<b>AX-PS-AC=</b>	1200-W AC power supply	N	N	MGX-8230-PS-AC=	PS-1200-AC=
<b>AX-RJ48-E3E1</b>	8-port E1,1-port E3 back card for IMATM card	TBD	TBD	No replacement available	No replacement available
<b>AX-RJ48-E3E1=</b>	8-port E1, 1-port E3 Back card for AIMUY trunking module	TBD	TBD	No replacement available	No replacement available
<b>AX-RJ48-T3E1</b>	8-port E1, 1-port E3 BC for IMATM-8T1, RJ48 connector	TBD	TBD	No replacement available	No replacement available
<b>AX-RJ48-T3E1=</b>	8-port E1, 1-port E3 BC for IMATM-8T1, RJ48 connector	TBD	TBD	No replacement available	No replacement available
<b>AX-RJ48-T3T1</b>	8-port T1,1-ort T3 back card for AIMUY trunking module	TBD	TBD	No replacement available	No replacement available
<b>AX-RJ48-T3T1=</b>	8-port T1, 1-port T3 Back Card for AIMUY trunking module	TBD	TBD	No replacement available	No replacement available
<b>AX-SCSI2-2HSSI</b>	2-port HSSI back card, SCSI-2 connectors	N	N	MGX-SCSI2-2HSSI/B	MGX-SCSI2-2HSSI/B
<b>AX-SCSI2-2HSSI=</b>	2-port HSSI back card for the AX-FRSM-HS1	N	N	MGX-SCSI2-2HSSI/B	MGX-SCSI2-2HSSI/B
<b>AX-SMB-E3E1</b>	8-port E1, 1-port E3 back card for AIMUY trunking module	TBD	TBD	No replacement available	No replacement available
<b>AX-SMB-E3E1=</b>	8-port E1, 1-port E3 back card for AIMUY trunking module	TBD	TBD	No replacement available	No replacement available
<b>AX-SMB-T3E1</b>	8-port E1, 1-port T3 BC for IMATM-8E1, SMB connector	TBD	TBD	No replacement available	No replacement available
<b>AX-SMB-T3E1=</b>	8-port E1, 1-port T3 BC for IMATM-8E1, SMB connector	TBD	TBD	No replacement available	No replacement available
<b>AX-SMF-155</b>	BNM back card with a single mode fiber interface	N	N	MGX-SMFIR-4-155/C	MGX-SMFIR-4-155/C
<b>AX-SRM-3T3</b>	SRM with three T3 Ports	N	N	MGX-SRM-3T3/C	MGX-SRM-3T3/C
<b>AX-SRM-3T3/B</b>	SRM with three T3 Ports	Y	Y		
<b>AX-SRM-T1E1/B</b>	SRM with three T3 Ports	N	N	MGX-SRM-3T3/C	MGX-SRM-3T3/C
<b>AX-SRM-T1E1/B=</b>	SRM, model B, spare	N	N	MGX-SRM-3T3/C=	MGX-SRM-3T3/C=
<b>AX-T3E3-B-BC</b>	BNM back card with BNC clock connector	N	N	See Table 4	See Table 4

Cisco MGX 8220 Service Modules	Service Modules Description	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8230	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8250	Replace with Cisco MGX 8230	Replace with Cisco MGX 8250
<b>AX-T3E3-B-BC=</b>	BNM back card with clock connector	N	N	See Table 4	See Table 4
<b>AX-T3E3-D-BC</b>	BNM back card with DB-15 clock connector	N	N	See Table 4	See Table 4
<b>AX-T3E3-D-BC=</b>	BNM back card with DB-15 clock connector	N	N	See Table 4	See Table 4
<b>MGX-12IN1-4S</b>	4-port V.35 back card for MGX-FRSM-HS1/B	Y	Y		
<b>AX-RJ48-8E1</b>	8-port E1 back card with RJ48 connectors	Y	Y		
<b>AX-RJ48-8E1=</b>	8-port E1 back card with RJ48 connectors	Y	Y		
<b>AX-RJ48-8T1</b>	8-port T1 back card with RJ48 connectors	Y	Y		
<b>AX-RJ48-8T1=</b>	8-port T1 back card with RJ48 connectors	Y	Y		
<b>AX-R-RJ48-8E1</b>	Redundancy back card for AX-RJ48-8E1	Y	Y		
<b>AX-R-RJ48-8E1=</b>	Redundancy back card for AX-RJ48-8E1	Y	Y		
<b>AX-R-RJ48-8T1</b>	Redundancy back card for AX-RJ48-8T1	Y	Y		
<b>AX-R-RJ48-8T1=</b>	Redundancy back card for AX-RJ48-8T1	Y	Y		
<b>AX-R-SMB-8E1</b>	Redundancy back card for AX-SMB-8E1	Y	Y		
<b>AX-R-SMB-8E1=</b>	Redundancy back card for AX-SMB-8E1	Y	Y		
<b>AX-SMB-8E1</b>	8-port E1 back card with SMB Connectors	Y	Y		
<b>AX-SMB-8E1=</b>	8-port E1 back card with SMB connectors	Y	Y		
<b>MGX-12IN1-4S=</b>	4-port V.35 back card, spare version	Y	Y		
<b>MGX-AUSM-8E1/B</b>	ATM UNI service module, 8-E1 ports	Y	Y	See Table 3	See Table 3
<b>MGX-AUSM-8E1/B=</b>	ATM UNI service module, 8-E1 ports	Y	Y	See Table 3	See Table 3
<b>MGX-AUSM-8T1/B</b>	ATM UNI service module, 8-T1 ports	Y	Y	See Table 3	See Table 3
<b>MGX-AUSM-8T1/B=</b>	ATM UNI service module, 8-T1 ports	Y	Y	See Table 3	See Table 3

Cisco MGX 8220 Service Modules	Service Modules Description	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8230	Cisco MGX 8220 Service Modules Supported in the Cisco MGX 8250	Replace with Cisco MGX 8230	Replace with Cisco MGX 8250
<b>MGX-FRSM-HS1/B</b>	Frame service module, serial interface	Y	Y	See Table 3	See Table 3
<b>MGX-FRSM-HS1/B=</b>	Frame service module, serial interface	Y	Y	See Table 3	See Table 3
<b>MGX-FRSM-HS2=</b>	Frame service module, high-speed serial version 2	Y	Y	See Table 3	See Table 3
<b>MGX-SCSI2-2HSSI/B</b>	2-port HSSI back card, SCSI-2 connectors	Y	Y		

<sup>1</sup> N=No<sup>2</sup> Y=Yes<sup>3</sup> TBD=Pending IMATM card compatibility testing with the Cisco MGX 8230 and MGX 8250 platforms

Table 3

Bootcode Image Required for Operation in the Cisco MGX 8230 or MGX 8250

Card	Boot Image	Boot Version
<b>AX-CESM-8E1</b>	cesm_8t1e1_CE8_BT_1.0.02.fw	CE8_BT_1.0.02
<b>AX-CESM-8T1</b>	cesm_8t1e1_CE8_BT_1.0.02.fw	CE8_BT_1.0.02
<b>AX-FRSM-8T1</b>	frsm_8t1e1_FR8_BT_1.0.02.fw	FR8_BT_1.0.02
<b>AX-FRSM-8T1-C</b>	frsm_8t1e1_FR8_BT_1.0.02.fw	FR8_BT_1.0.02
<b>AX-FRSM-8E1</b>	frsm_8t1e1_FR8_BT_1.0.02.fw	FR8_BT_1.0.02
<b>AX-FRSM-8E1-C</b>	frsm_8t1e1_FR8_BT_1.0.02.fw	FR8_BT_1.0.02
<b>MGX-FRSM-HS1/B</b>	frsm_hs1_HS1_BT_1.0.02.fw	HS1_BT_1.0.02
<b>MGX-FRSM-HS2</b>	frsm_vhs_VHS_BT_1.0.01.fw	VHS_BT_1.0.01
<b>MGX-AUSM-8E1/B</b>	ausm_8t1e1_AU8_BT_1.0.02.fw	AU8_BT_1.0.02
<b>MGX-AUSM-8T1/B</b>	ausm_8t1e1_AU8_BT_1.0.02.fw	AU8_BT_1.0.02

Table 4

Combinations of Cisco MGX 8220 ASC and BNM Cards Replacements

Select the combination of Cisco MGX 8220 ASC and BNM cards		Replace with	Replace with
BNM and Back Card Pair	ASC and Back Card Pair	Cisco MGX 8230	Cisco MGX 8250
AX-BNM-155 + AX-SMF-155	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1OC3-SIR	8250PXM1OC3-SIR
AX-BNM-E3 + AX-T3E3-B-BC	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1-2E3 (includes PXM1-2-T3E3, MGX-BNC-2E3, PXM-UI)	8250PXM1-2E3 (includes PXM1-2-T3E3, MGX-BNC-2E3, PXM-UI)

Select the combination of Cisco MGX 8220 ASC and BNM cards		Replace with	Replace with
BNM and Back Card Pair	ASC and Back Card Pair	Cisco MGX 8230	Cisco MGX 8250
AX-BNM-E3 + AX-T3E3-D-BC	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1-2E3 (includes PXM1-2-T3E3, MGX-BNC-2E3, PXM-UI)	8250PXM1-2E3 (includes PXM1-2-T3E3, MGX-BNC-2E3, PXM-UI)
AX-BNM-E3/B + AX-T3E3-B-BC	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1-2E3 (includes PXM1-2-T3E3, MGX-BNC-2E3, PXM-UI)	8250PXM1-2E3 (includes PXM1-2-T3E3, MGX-BNC-2E3, PXM-UI)
AX-BNM-E3/B + AX-T3E3-D-BC	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1-2E3 (includes PXM1-2-T3E3, MGX-BNC-2E3, PXM-UI)	8250PXM1-2E3 (includes PXM1-2-T3E3, MGX-BNC-2E3, PXM-UI)
AX-BNM-T3 + AX-T3E3-B-BC	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1-2T3 (includes PXM1-2-T3E3, MGX-BNC-2T3, PXM-UI)	8250PXM1-2T3 (includes PXM1-2-T3E3, MGX-BNC-2T3E3, PXM-UI)
AX-BNM-T3 + AX-T3E3-D-BC	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1-2T3 (includes PXM1-2-T3E3, MGX-BNC-2T3, PXM-UI)	8250PXM1-2T3 (includes PXM1-2-T3E3, MGX-BNC-2T3E3, PXM-UI)
AX-BNM-T3/B + AX-T3E3-B-DC	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1-2T3 (includes PXM1-2-T3E3, MGX-BNC-2T3, PXM-UI)	8250PXM1-2T3 (includes PXM1-2-T3E3, MGX-BNC-2T3E3, PXM-UI)
AX-BNM-T3/B + AX-T3E3-D-DC	AX-ASC2 + AX-ASC-BC AX-ASC2F + AX-ASC-BC	8230PXM1-2T3 (includes PXM1-2-T3E3, MGX-BNC-2T3, PXM-UI)	8250PXM1-2T3 (includes PXM1-2-T3E3, MGX-BNC-2T3E3, PXM-UI)

#### Ordering Information

September 2, 2002 will be the last date to enter orders for the Cisco MGX 8220 and support for this product will be provided according to the effective dates stated on page 1.

#### Questions and Answers

Q. Why has Cisco decided to End of Sales/End of Life (EOS/EOL) the Cisco MGX<sup>®</sup> 8220 Edge Concentrator?

A. Cisco has decided to discontinue the Cisco MGX 8220 to replace it with newer products that provide higher capacities, new features, and future development. Two such products are the Cisco MGX 8230 and Cisco MGX 8250 Edge Concentrators.

Q. Is the StrataCom AXIS Shelf product the same as the Cisco MGX 8220 Edge Concentrator?

A. Yes, the StrataCom AXIS Shelf product is the same as the Cisco MGX 8220 Edge Concentrator. The name change is the result of re-branding that occurred after Cisco's acquisition of StrataCom in 1996.

Q. Is there a replacement product for the Cisco MGX 8220?

A. No, however, the Cisco MGX 8230 or 8250 Edge Concentrator products provide most of the functionality in the Cisco MGX 8220 while at the same time providing voice, Multiprotocol Label Switching (MPLS) and other capabilities such as higher speed and capacity. In order to protect customers' initial investments, some service modules and related components in the Cisco MGX 8220 are supported in the Cisco MGX 8230 and MGX 8250 Edge Concentrators. For information, please refer to the Cisco MGX 8220 Product Bulletin at: [http://www.cisco.com/en/US/products/hw/switches/ps1925/prod\\_eol\\_notices\\_list.html](http://www.cisco.com/en/US/products/hw/switches/ps1925/prod_eol_notices_list.html).

Q. How long will Cisco accept and ship new orders for the Cisco MGX 8220 products?

A. Cisco will continue to accept orders for the Cisco MGX 8220 only from existing customers until the EOS date of September 2, 2002. Cisco will complete fulfillment and shipment of new equipment orders until the end of production date of October 2, 2002.

Q. How long will customers be provided software support and hardware support of the product?

A. Cisco will maintain a support staff and Technical Assistance Center (TAC) assistance to maintain existing systems until the following dates:

End of Software Support	March 1, 2007
End of Hardware Support/End of Life/Product Obsolescence	March 1, 2007

Q. Where can customers get more information on the Cisco MGX 8220 EOL and product information on the Cisco MGX 8230 and MGX 8250 Edge Concentrators?

A. For information on the Cisco MGX 8220 EOL, go to the Multiservice EOL Announcements Web page at: [http://www.cisco.com/en/US/products/hw/switches/ps1925/prod\\_eol\\_notices\\_list.html](http://www.cisco.com/en/US/products/hw/switches/ps1925/prod_eol_notices_list.html)

For information on the Cisco MGX 8230 and MGX 8250 Edge Concentrators, go to the Cisco MGX 8230 Web page at: <http://www.cisco.com/en/US/products/sw/ps2346/ps1929/index.html> and the Cisco MGX 8250 Web page at: <http://www.cisco.com/en/US/products/sw/ps2346/ps1933/index.html>

Q. How long will Return Merchandise Authorization (RMA) support on the field replaceable unit (FRU) components be available for customers' system configurations?

A. RMA support will be available for customers' system configurations until March 1, 2007.

Q. If a customer's service support contract has expired, can the customer still take full advantage of the milestone dates documented in this bulletin without a service contract?

A. No, a service contract must be active in order to receive any support services, including advance replacements of Cisco MGX 8220 service modules and TAC assistance.

Q. Is there any chassis compatibility of Cisco MGX 8220 core cards with other edge concentrators?

For information on the card compatibility between the edge concentrator platforms, refer to the Cisco MGX 8230 and MGX 8250 product information at: <http://www.cisco.com/en/US/products/sw/ps2346/ps1929/index.html> and <http://www.cisco.com/en/US/products/sw/ps2346/ps1933/index.html>, respectively.

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