



END-OF-SALE AND END-OF-LIFE ANNOUNCEMENT FOR THE CISCO BPX 8600 SERIES MULTISERVICE SWITCH

Cisco Systems® announces the end-of-sale and end-of-life dates for the Cisco® BPX® 8600 Series multiservice switches and the Cisco Service Expansion Shelf (SES). The Cisco BPX 8600 Series is comprised of the Cisco BPX 8620, the BPX 8650, and the BPX 8680 platforms and all supporting BPX products and software (see Table 2). The Cisco SES is comprised of the Private Network-Network Interface (PNNI) controller for the Cisco BPX® 8600 Series switches and its supporting products (see Table 2). The last day to order the Cisco BPX 8600 Series switches, the Cisco SES and all supporting BPX and SES cards is January 31, 2006. Customers with active service contracts will continue to receive support from the Cisco Technical Assistance Center (TAC) until January 31, 2011.

Table 1 describes the end-of-life milestones, definitions, and dates for the Cisco BPX 8600 Series, the Cisco SES, and all supporting BPX and SES cards, as well as all software and firmware releases. Table 2 lists the product part numbers affected by this announcement.

Customers are encouraged to migrate to the Cisco MGX® 8800 Series Multiservice Switch products, which supply an enriched feature set of the capabilities offered in the Cisco BPX 8600 Series and the Cisco SES. The Cisco MGX 8800 Series products offer a full range of Frame Relay, ATM, circuit emulation, voice, and IP services. They have an innovative architecture that supports multiple control planes and a dynamic allocation of services mix while supplying high network availability. Information about these products may be found at:

<http://www.cisco.com/en/US/products/hw/switches/ps1938/ps1935/index.html>

Table 3 provides relevant information for migrating from the Cisco BPX 8600 Series to the Cisco MGX 8800 Series.

Table 1. End-of-Life Milestones and Dates for the Cisco BPX Products Affected by this Notice

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.	January 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.	January 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.	April 30, 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.	January 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.	January 31, 2007
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	January 31, 2007

Milestone	Definition	Date
	to an existing service-and-support contract.	
End of Service Contract Renewal Date	The last date to extend or renew a service contract for the product. The extension or renewal period cannot extend beyond the last date of support.	October 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.	January 31, 2011

Table 2. Product Part Numbers Affected by This Announcement

End-of-Sale Product Part Number	Product Description
Cisco BPX 8600 Series Products	
BPX8600-CH	BPX 8600, Base Unit
BPX8600-CH=	BPX 8600, Base Unit—Spare
BPX8600-CH-RF	BPX 8600—Refurbished
BPX8600-MS1	BPX 8620, MGX8220, BCC-4V-R, ASC2-R and OC3 or T3/E3
BPX8600 OPTIONS	BPX 8620 Switch Options for BPX8600-MS1
BPX8600-OVERPACK	Packaging, BPX8600 Overpack Material
BPX8620	BPX 8620, 15-slot: Includes BCC-4V, BCC-3-BC, ASM, ASM-BC
BPX8620-CH	BPX 8620, Base Unit
BPX8620-CH=	BPX 8620, Base Unit—Spare
BPX8620-MB OPTIONS	BPX 8620 Options for BPX8680
BPX8620-RF	BPX 8620 Refurbished
BPX8620-ST	BPX 8620, 15-slot: Includes BCC-4V, BCC-3-BC, ASM, ASM-BC
BPX8620-ST1	BPX 8620 in a STRATM cabinet
BPX8620-TP	BPX Configuration for TransPath® Multiservice System
BPX8620-TP OPT	BPX 8620 or MG X8850 Options for TransPath® Multiservice System
BPX8620-MS	Includes BPX 8620, BCC-4V, BCC-3-BC, ASM, ASM-BC
BPX8620TSR	BPX Configuration with BCC-4 for BPX8650
BPX8650	BPX IP+ATM switch: BPX w/ BCC-4V, ASM
BPX8650 BCC-4 OPT	BPX 8650 Controller Card Options
BPX8650 MECH KIT	BPX 8650 Required Mechanical Package

End-of-Sale Product Part Number	Product Description
BPX8650 ROUTER OPT	BPX 8650 Router Shelf Options
BPX8650 SWITCH OPT	BPX 8650 Switch Shelf Options
BPX8650 SYSTEM SW	BPX 8650 System Software Options
BPX8650-IP MEC KIT	BPX 8650 Mechanical Option for IP Bundle
BPX8650-IP RTR OPT	BPX 8650 Router Option for IP Bundle
BPX8680	BPX 8620/MGX 8850. Rdnt BCC4, PXM1
BPX8680-IP	Includes BPX 8620/MGX 8850, 7204LSC, BCC-4V-R
BPX8680-IP OPTIONS	Options for the BPX IP Bundle
BPX8680-MB	Includes BPX 8620, BCC-4V-R, BCC-3-BC, ASM, ASM-BC
BPX-BCC-3-BC=	Back Card for BPX-BCC-3-XX and BPX-BCC-4V
BPX-BCC-4V/B	BROADBAND CONTROLLER CARD, 20 GBPS, W/128 MB DRAM, 4 MB BRAM
BPX-BCC-4V/B=	BROADBAND CONTROLLER CARD, 20 GBPS, W/128 MB DRAM, 4 MB BRAM
BPX-BCC-4V/B-R	Redundant BCC-4V/B, 20 Gbps, 128 MB DRAM, 4 MB BRAM
BPX-BCC-SW-9351	BCC System Software level 9.3.51
BPX-BCC-SW-9245	BCC System Software level 9.2.45
BPX-BCC-SW-9347	BCC System Software level 9.3.47
BPX-MMF-155-8-BC	8-port, OC-3/STM-1 Multi-Mode Fiber Back Card (up to 2km span)
BPX-MMF-155-8-BC=	8-port, OC-3/STM-1 Multi-Mode Fiber Back Card—Spare
BPX-SMF-155-8-BC	8-port, OC-3/STM-1 Single-Mode Fiber Back Card (up to 20km)
BPX-SMF-155-8-BC=	8-port, OC-3/STM-1 Single-Mode Fiber Back Card—Spare
BPX-SMFLR-155-8-BC	8-port, OC-3/STM-1 SMF Long Reach Back Card (up to 40km)
BPX-SMFLR-155-8-BC=	8-port, OC-3/STM-1 SMF Long Reach Back Card—Spare
BPX-BXM-155-4D	4-port OC-3/STM1 Module, 16K cons, 128k/256k cell buff
BPX-BXM-155-4D=	4-port OC-3/STM1 Module, 16K cons, 128k/256k cell buff —Spare
BPX-BXM-155-4DX	Enhanced BXM-155-4 with 64K cons, 256k/256k cell buff
BPX-BXM-155-4DX=	Enhanced BXM-155-4 with 64K cons, 256k/256k cell buff—Spare
BPX-BXM-155-8DX	Enhanced BXM-155-8 with 64K cons, 1 Mill cell buff

End-of-Sale Product Part Number	Product Description
BPX-BXM-155-8DX=	Enhanced BXM-155-8 with 64K cons, 1 Mill cell buff —Spare
BPX-MMF-155-4-BC	4-port, OC-3/STM-1 Multi-Mode Fiber Back Card (up to 2km)
BPX-MMF-155-4-BC=	4-port, OC-3/STM-1 Multi-Mode Fiber Back Card—Spare
BPX-SMF-155-4-BC	4-port, OC-3/STM-1 Single-Mode Fiber Back Card (up to 20km)
BPX-SMF-155-4-BC=	4-port, OC-3/STM-1 Single-Mode Fiber Back Card—Spare
BPX-SMFLR-155-4-BC	4-port, OC-3/STM-1 SMF Long Reach Back Card (up to 40km)
BPX-SMFLR-155-4-BC=	4-port, OC-3/STM-1 SMF Long Reach Back Card—Spare
BPX-BXM-622-DX	Enhanced BXM-622 with 64K cons, 256k/256k cell buff
BPX-BXM-622-DX=	Enhanced BXM-622 with 64K cons, 256k/256k cell buff—Spare
BPX-BXM-622-2DX	Enhanced BXM-622-2 with 64K cons, 1M cell buff
BPX-BXM-622-2DX=	Enhanced BXM-622-2 with 64K cons, 1M cell buff—Spare
BPX-SMF-622-2-BC	2-port, OC-12/STM-4 Single-Mode Fiber Back Card (up to 20km)
BPX-SMF-622-2-BC=	2-port, OC-12/STM-4 Single-Mode Fiber Back Card—Spare
BPX-SMFLR-622-2-BC	2-port, OC-12/STM-4 SMF Long Reach Back Card (up to 40km)
BPX-SMFLR-622-2-BC=	2-port, OC-12/STM-4 SMF Long Reach Back Card—Spare
BPX-SMF-622-BC	1-port, OC-12/STM-4 Single-Mode Fiber Back Card (up to 20km)
BPX-SMF-622-BC=	1-port, OC-12/STM-4 Single-Mode Fiber Back Card—Spare
BPX-SMFLR-622-BC	1-port, OC-12/STM-4 SMF Long Reach Back Card (up to 40km)
BPX-SMFLR-622-BC=	1-port, OC-12/STM-4 SMF Long Reach Back Card—Spare
BPX-BXM-E3-12EX	Enhanced BXM-E3-12 with 64K cons, 1 Mill cell buff
BPX-BXM-E3-12EX=	Enhanced BXM-E3-12 with 64K cons, 1 Mill cell buff—Spare
BPX-BXM-T3-12EX	Enhanced BXM-T3-12 with 64K cons, 1 Mill cell buff
BPX-BXM-T3-12EX=	Enhanced BXM-T3-12 with 64K cons, 1 Mill cell buff—Spare
BPX-T3/E3-BC	Universal T3/E3 Back Card, SMB Connectors
BPX-T3/E3-BC=	Universal T3/E3 Back Card, SMB Connectors—Spare
BPX-STM1-EL-4-BC	STM1 Elec. Interface back card for BXM-155-4, SMB Connectors
BPX-STM1-EL-4-BC=	STM1 Elec. Interface back card for BXM-155-4, SMB Connectors—Spare

End-of-Sale Product Part Number	Product Description
BPX-AC1-1=	AC Power Option 1—Single AC Supply/Single AC Line Input
BPX-AC2-1=	AC Power Option 2—Redundant Supplies/Single AC Line Input
BPX-AC2-2	AC Power Option 3—Redundant Supplies/Redundant AC Line Input
BPX-AC2-2=	AC Power Option 3—Redundant Supplies/Redundant AC Line Input—Spare
BPX-DC	48 VDC Power Input Module
BPX-DC=	48 VDC Power Input Module—Spare
BPX-BP=	Backplane
BPX-FAN=	Fan Assembly
BPX-FP-BF=	Faceplate—blank front
BPX-FP-BB=	Faceplate—blank back
BPX-AC=	AC Power Supply
BPX-AC-RACK2=	AC PS Rack encl, 2 AC line inputs
BPX-MNT23=	Mounting Kit to Install BPX Chassis on 23 Rack
BPX-AX-AC/FAN-MNT=	Mounting Kit to Install AC, Cooling or ESP in a 23 Rack
BPX-ASM=	Alarm Status Monitor (ASM)
BPX-ASM-BC=	ASM Back card
BPX-CABMGNT-BRKT=	Cable Management Bracket for BXM-T3/E3 Back Card
BPX-CABMGNT-TRAY=	BPX Cable Management Tray (for open rack systems)
BPX-TSC-72	Tag Switch Retrofit Kit: Cisco 7204TSC, TSC License, Cisco IOS® Software
BPX-RDNT-BP=	APS Redundancy Sub-backplane
BPX-RDNT-SM-155-4	APS SMF Card and Line Redundancy Package for BXM-155-4
BPX-RDNT-SM-155-8	APS SMF Card and Line Redundancy Package for BXM-155-8
BPX-RDNT-LR-155-8	APS SMFLR Card and Line Redundancy Package for BXM-155-8
BPX-RDNT-SM-622	APS SMF Card and Line Redundancy Package for BXM-622
BPX-RDNT-SM-622-2	APS SMF Card and Line Redundancy Package for BXM-622-2
BPX-RDNT-LR-622-2	APS SMFLR Card and Line Redundancy Package for BXM-622-2
BPX-LR-155-8R-BC=	8-port OC-3/STM-1 SMF Long Reach APS Redundant Back Card

End-of-Sale Product Part Number	Product Description
BPX-LR-622-2R-BC=	2-port OC-12/STM-4 SMF Long Reach APS Redundant Back Card
BPX-SMF-155-4R-BC=	4-port OC-3/STM-1 Single Mode Fiber APS Redundant Back Card
BPX-SMF-155-8R-BC=	8-port OC-3/STM-1 Single Mode Fiber APS Redundant Back Card
BPX-SMF-622-R-BC=	1-port OC-12/STM-4 Single Mode Fiber APS Redundant Back Card
BPX-SMF-622-2R-BC	2-port OC-12/STM-4 Single Mode Fiber APS Redundant Back Card
BPX-SMF-622-2R-BC=	2-port OC-12/STM-4 Single Mode Fiber APS Redundant Back Card—Spare
BPX-RDNT-SM-622-2=	APS SMF Card and Line Redundancy Package for BXM-622-2
BPX-SW-9245	BPX System Software License—Release (version 9.2.45)
BPX-SW-9310	BPX System Software License—Release (version 9.3.10)
BPX-SW-9311	BPX System Software License—Release (version 9.3.11)
BPX-SW-9324	BPX System Software License—Release (version 9.3.24)
BPX-SW-9325	BPX System Software License—Release (version 9.3.25)
BPX-SW-9335	BPX System Software License—Release (version 9.3.35)
BPX-SW-9336	BPX System Software License—Release (version 9.3.36)
BPX-SW-9342	BPX System Software License—Release (version 9.3.42)
BPX-SW-9345	BPX System Software License—Release (version 9.3.45)
BPX-SW-9347	BPX System Software License—Release (version 9.3.47)
BPX-SW-9351	BPX System Software License—Release (version 9.3.51)
BPX-SW-9410	BPX System Software License—Release (version 9.4.10)
LL-BPX-CSR	Configuration Save and Restore License per node
LL-BPX-VT	Virtual Trunking License per Node
LL-BPX-MUC	Multi-User Configuration Sessions per Node
BPX-SR-9245=	System SW Sub-Rel Upgrade from any 9.3.x to 9.2.45
BPX-SR-9336=	System SW Sub-Rel Upgrade from any 9.3.x to 9.3.36
BPX-SR-9347=	System SW Sub-Rel Upgrade from any 9.3.x to 9.3.47
BPX-SR-9351=	System SW Sub-Rel Upgrade from any 9.3.x to 9.3.51
BPX-SR-9410=	System SW Sub-Rel Upgrade from any 9.3.x to 9.4.10

End-of-Sale Product Part Number	Product Description
BPX-MR-9245=	System SW Major Upgrade from any 9.2.x to 9.2.45
BPX-MR-9336=	System SW Major Upgrade from any 9.2 to 9.3.36
BPX-MR-9347=	System SW Major Upgrade from any 9.2.x to 9.3.47
BPX-MR-9351=	System SW Major Upgrade from any 9.1.x or 9.2.x to 9.3.51
BPX-MR-9410=	System SW Major Upgrade from any 9.1.x or 9.2.x to 9.4.10
BPX-MR-9243=	System SW Major Upgrade from any 9.1.x to 9.2.43
BPX-CSR	Configuration Save and Restore License per node
BPX-CSR=	Configuration Save and Restore License per node
BPX-VT	Virtual Trunking License per node
BPX-VT=	Virtual Trunking License per node—Spare
BPX-MUC	Multi-user configuration sessions per node
BPX-MUC=	Multi-user configuration sessions per node—Spare
BPX-PRBUMP	Priority Bumping Software License per node
BPX-PRBUMP=	Priority Bumping Software License per node—Spare
BPXDOC9245=	Documentation set for BPX SW 9.2.45
BPXDOC9347=	Documentation set for BPX SW 9.3.47
BPXDOC9351=	Documentation set for BPX SW 9.3.51
BPXDOC9410=	Documentation set for BPX SW 9.4.10
DOC-MSSBU=	Technical manuals for this product are online only
Release asi-11-modele	BPX WAN card firmware
Release asi-11-modelh	BPX WAN card firmware
Release asi-modelc	BPX WAN card firmware
Release bcc-modelc	BPX WAN card firmware
Release bcc-modeld	BPX WAN card firmware
Release bcc-modele	BPX WAN card firmware
Release bcc-modelh	BPX WAN card firmware
Release bme-modela	BPX WAN card firmware
Release bme-modelk	BPX WAN card firmware
Release bni-155-modela	BPX WAN card firmware

End-of-Sale Product Part Number	Product Description
Release bni-155-modeld	BPX WAN card firmware
Release bni-modelc	BPX WAN card firmware
Release bxm-modelb	BPX WAN card firmware
Release bxm-modelc	BPX WAN card firmware
Release bxm-modele	BPX WAN card firmware
Release bxm-modelf	BPX WAN card firmware
Cisco Service Expansion Shelf Products	
SES	SES Chassis with Fan Tray, Door, and one SES-PXM-xxx bundle
SES-PS-1200-AC-R	Two 1200W 1U Power Supplies with Tray and 2 Cables
SES-PS-1200-AC=	1200W 1U Power Supply
SES-PEM-R	Two DC PEMs
SES-PEM=	DC PEM
SES-PXM-CNTL2T3E3	SES-PXM controller, 2 T3/E3 broadband ports
SES-PXM-CNTL2T3E3=	SES-PXM controller, 2 T3/E3 broadband ports
SES-PXM-CNTL-SMF-R	Two SES-PXM-CNTL4-155, two PXM-UI, and two MGX-SMFIR-4-155
SES-PXM-CNTL-SMF	One SES-PXM-CNTL4-155, one PXM-UI, and one MGX-SMFIR-4-155
SES-PXM-CNTL-SMF=	One SES-PXM-CNTL4-155, one PXM-UI, and one MGX-SMFIR-4-155—Spare
SES-PXM-CNTL-MMF-R	Two SES-PXM-CNTL4-155, two PXM-UI, and two MGX-MMF-4-155
SES-PXM-CNTL-MMF=	One SES-PXM-CNTL4-155, one PXM-UI, and one MGX-MMF-4-155
SES-PXM-CNTL-T3-R	Two SES-PXM-CNTL2T3E3, two PXM-UI, and two MGX-BNC-2T3
SES-PXM-CNTL-T3	One SES-PXM-CNTL2T3E3, one PXM-UI, and one MGX-BNC-2T3
SES-PXM-CNTL-T3=	One SES-PXM-CNTL2T3E3, one PXM-UI, and one MGX-BNC-2T3 —Spare
SES-PXM-CNTL-E3-R	Two SES-PXM-CNTL2T3E3, two PXM-UI, and two MGX-BNC-2E3
SES-PXM-CNTL-E3	One SES-PXM-CNTL2T3E3, one PXM-UI, and one MGX-BNC-2E3
SES-PXM-CNTL-E3=	One SES-PXM-CNTL2T3E3, one PXM-UI, and one MGX-BNC-2E3 —Spare
SES-PXM-CNTL4-155	SES-PXM controller, 4 155 Mbps broadband ports
SES-PXM-CNTL4-155=	SES-PXM controller, 4 155 Mbps broadband ports—Spare
SES-PXM-4-155	SES-PXM, 4 155 Mbps broadband ports

End-of-Sale Product Part Number	Product Description
SES-PXM-155-MMF=	One SES-PXM-4-155, one PXM-UI, and one MGX-MMF-4-155
SES-CAB-AC-1U=	Cable to connect 1200W 1U PS shelf to Chassis
SES-FAN-SM=	Fan Tray
SES-STDA-KIT=	Standalone Kit
SES-MNT19=	Mounting Kit for 19
SES-CHAS=	SES Chassis with Fan Tray
SES-DOOR=	SES Door
SES-SW-CNTL-1170	SES Controller SW License—Rel (Version 1.1.70)
SES-SW-CNTL-1175	SES Controller SW License—Rel (Version 1.1.75)
SES-SW-CNTL-3000	SES Controller SW License—Rel (Version 3.0.00)
SES-SW-CNTL-3010	SES Controller SW License—Rel (Version 3.0.10)
SES-SW-CNTL-3020	SES Controller SW License—Rel (Version 3.0.20)
SES-SW-CNTL-3023	SES Controller SW License—Rel (Version 3.0.23)
SESSW-CNTL-3023CD=	SES Controller SW License—Spare CD (Version 3.0.23)
SESSW-CNTL-3025	SES Controller SW License—Rel (Version 3.0.25)
SESSW-CNTL-3025CD=	SES Controller SW License—Spare CD (Version 3.0.25)
SES-SW-CNTL-4010	SES Controller SW License—Rel (Version 4.0.10)
SESSW-CNTL-4010CD=	SES Controller SW License—Spare CD (Version 4.0.10)
SES-SW-CNTL-4015	SES Controller SW License—Rel (Version 4.0.15)
SESSW-CNTL-4015CD=	SES Controller SW License—Spare CD (Version 4.0.15)
DOC-MSSBU=	Technical manuals for this product are online only.

PRODUCT MIGRATION OPTIONS

The recommended replacement for the Cisco BPX 8600 Series is the Cisco MGX 8800 Series. The Cisco MGX 8800 Advanced ATM Multiservice Switch enables delivery of a complete portfolio of differentiated service offerings while scaling from DS0 to OC-48c/STM-16 speeds.

In comparison with the Cisco BPX 8600 Series, the Cisco MGX 8800 Series delivers:

- Greater network scalability and robustness
- Multiple-vendor interoperability
- Increased functionality and expanded service offerings
- A native PNNI standards-based protocol

- Improved network management with enhanced diagnostics and configuration options

Table 3. Product Comparisons

Feature	Cisco BPX 8600 Series	Cisco MGX 8800 Series
ATM	Yes	Yes
Frame Relay	Yes	Yes
Voice	Yes	Yes
Circuit Emulation	Yes	Yes
IP Services	Yes	Yes
Scalable Throughput	1.2–19.2 Gbps	1.2–240 Gbps
Native IMA	No	Yes
VISM Voice	No	Yes
MLFR Services	No	Yes
PPP	No	Yes

FOR MORE INFORMATION

For more information about Cisco products, contact your Cisco account manager or Cisco Channel Partner.

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

To subscribe to receive end-of-life/end-of-sale information, go to: <http://www.cisco.com/cgi-bin/Support/FieldNoticeTool/field-notice>

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.



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