



End of Sale, Engineering, and Life for Cisco uBR7223 Universal Broadband Router and uBR-MC11C Cable Line Card

Cisco Systems, Inc. announces an update to the product bulletin on the end of sale, engineering, and life for the Cisco uBR7223 Universal Broadband Router and uBR-MC11C Cable Line Card. This addendum updates the recommended replacement bundle.

The Cisco uBR7246VXR-MC14C bundle-created to ease the migration from the Cisco uBR7223 to the Cisco uBR7246VXR excludes Cisco IOS® Software. The Cisco uBR7246VXR-MC14C bundle, available as of January 2003, includes one Cisco uBR7246VXR chassis, one Cisco uBR-MC14C line card, one Cisco NPE-225 Network Processing Engine, and one default flash disk. Please check the published Cisco Price List for pricing information.

Table 1 Key Dates Regarding This Addendum

Product ID	Description	Effective Date
Addendum Date	The date which the addendum was published	March 24, 2003
Effective Date	The date which the change was effective	January 2003 for the bundle update
Original Bulletin Announcement Date	The document date of the original end of sale and end of life product bulletin to the general public	October 2002

EOL Milestones, Definitions, and Calendar

EOL refers to all activities revolving around the discontinuation of a product. This product bulletin serves as formal notification of the Cisco uBR7223 Universal Broadband Router and the Cisco uBR-MC11C cable line card end-of-sale (EOS), end-of-engineering, and end-of-life (EOL) milestones.

Table 2 on the next page identifies the milestones, definitions, and dates.



Table 2 End-of-Life Milestones and Dates

Milestone	Definition	Effective Date
End-of-Life Announcement	The document date of the end of sale and end of life of a product to the general public	October 23, 2002
End-of-Sale Date	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale	October 23, 2002
End of Software Maintenance Release 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 24, 2005
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	January 23, 2007
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	January 23, 2007
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 24, 2008



Table 3 identifies the impacted part numbers.

Table 3 Impacted Cisco uBR7223 and Cisco uBR-MC11C EOL Hardware

Part Number	Description
UBR7223	Cisco uBR7223 chassis with two line card slots, one port adapter slot, and one fan tray assembly
CHAS-UBR7223=	Cisco uBR7223 spare chassis
UBR7223-MC11C	Bundle with one Cisco uBR-MC11C line card, AC power, Cisco I/O FE (48MB), and Cisco NPE-225 (128MB)
UBR7223-MC14C	Bundle with one Cisco uBR-MC14C card, AC power, I/O FE (48MB), and Cisco NPE-225 (128MB)
UBR7223-MC16C	Bundle with one Cisco uBR-MC16C card, AC power, I/O FE (48MB), and Cisco NPE-225 (128MB)
UBR7223-MC16S	Bundle with one Cisco uBR-MC16S card, AC power, I/O FE (48 MB), and Cisco NPE-225 (128 MB)
UBR7223-MC16E	Bundle with one Cisco uBR-MC16E, AC power, I/O FE (48MB), and Cisco NPE-225 (128MB)
UBR7223-MC28C	Bundle with one Cisco uBR-MC28C card, AC power, I/O FE (48MB), and Cisco NPE-225 (128MB)
UBR-MC11C	Cisco uBR-MC11C line card with one downstream and one upstream
UBR-MC11C=	Cisco uBR-MC11C spare card with one downstream and one upstream
MAS-UBR7223-FAN=	Cisco uBR7223 spare fan
ACS-UBR7223-RMK=	Cisco uBR7223 spare rack mount and cable management bracket
PKG-UBR7223=	Cisco uBR7223 spare packaging



Software Support

The recommended last software release for the Cisco uBR7223 and Cisco uBR-MC11C line card depends on the functions desired. DOCSIS 1.0 support is provided in Cisco IOS® Software Release 12.1 EC. DOCSIS 1.1 support is provided in Cisco IOS Release 12.2 BC. Tables 4 and 5 list the images that will be supported for the Cisco uBR7223 and Cisco uBR-MC11C line card on an ongoing basis.

Table 4 Cisco uBR7223 and Cisco uBR-MC11C Software Images Supported at EOS for DOCSIS 1.0 Functionality (Cisco IOS Release 12.1 EC)

Feature Set	Cisco IOS Release
Boot Image	ubr7200-boot-mz
DOCSIS 2-WAY BPI IP+	ubr7200-ik1s-mz
DOCSIS 2-WAY BPI	ubr7200-k1p-mz
DOCSIS 2-WAY BPI TELCO RETURN IP+	ubr7200-ik1st-mz

Table 5 Cisco uBR7223 and Cisco uBR-MC11C Software Images Supported at EOS for DOCSIS 1.1 Functionality (Cisco IOS Release 12.2 BC)

Feature Set	Cisco IOS Release
Boot Image	ubr7200-boot-mz
DOCSIS 2-WAY BPI IP+	ubr7200-ik8s-mz
DOCSIS 2-WAY BPI	ubr7200-k8p-mz

DOCSIS 1.1 and EuroDOCSIS 1.1 Support

Cisco is committed to supporting DOCSIS 1.1 and EuroDOCSIS 1.1 functionality on the Cisco uBR7223 limited to the functionality set provided no later than Cisco IOS Release 12.2(11)BC1. There are no plans to submit the Cisco uBR7223 for official DOCSIS and EuroDOCSIS 1.1 qualification. However, the higher performance Cisco uBR7246VXR, which runs identical Cisco IOS Software as the Cisco uBR7223 has been DOCSIS and EuroDOCSIS 1.0 and 1.1 qualified. Cisco uBR7100 Series, another possible replacement product, has been DOCSIS and EuroDOCSIS 1.0 qualified and will be submitted for DOCSIS and EuroDOCSIS 1.1 qualification in the first half of 2003.

DOCSIS 2.0 Support

The Cisco uBR7223 chassis and Cisco uBR-MC11C line card will not support DOCSIS 2.0.

PacketCable Support

The Cisco uBR7223 chassis and Cisco uBR-MC11C line card will not support PacketCable.



Substitute Products

Cisco uBR7246VXR and Cisco uBR7100 Series universal broadband routers are the recommended replacement products for the Cisco uBR7223. Please refer to Table 6 for details.

A new, value-priced bundle, Cisco uBR7246VXR-MC14C, has been created to ease the migration from the Cisco uBR7223 to the Cisco uBR7246VXR. The Cisco uBR7246VXR-MC14C bundle includes one Cisco uBR7246VXR chassis, one Cisco uBR-MC14C line card, one Cisco NPE-225 Network Processing Engine, and one default flash disk. The bundle was available and orderable as of January 2003. Please check the published Cisco Price List for pricing information.

Table 6 Cisco uBR7223 and Cisco uBR-MC11C Replacement Products

Current Product Part Number	Replacement Product Part Number	Major Difference
UBR7223	UBR7246VXR	Cisco uBR7246VXR offers greater performance and density than the Cisco uBR7223.
CHAS-UBR7223=	CHAS-UBR7246VXR=	Cisco uBR7246VXR spare chassis
UBR7223-MC11C	UBR7111 or UBR7246VXR-MC14C	Cisco uBR7111 offers a fixed-configuration chassis with an integrated upconverter and line card that supports one downstream and one upstream. Cisco uBR7246VXR chassis and Cisco uBR-MC14C line card offer greater performance and density than the Cisco uBR7223.
UBR7223-MC14C	UBR7246VXR-MC14C or UBR7114	Cisco uBR7246VXR with a Cisco uBR-MC14C offers greater performance and density than the Cisco uBR7223. Cisco uBR7114 offers a fixed-configuration chassis with an integrated upconverter and line card that supports one downstream and four upstreams.
UBR7223-MC16C	UBR7246VXR, UBR-MC16C	Cisco uBR7246VXR chassis supports more line cards.
UBR7223-MC16S	UBR7246VXR, UBR-MC16S	Cisco uBR7246VXR chassis supports more line cards.
UBR7223-MC16E	UBR7246VXR, UBR-MC16E	Cisco uBR7246VXR chassis supports more line cards.
UBR7223-MC28C	UBR7246VXR, UBR-MC28C	Cisco uBR7246VXR chassis supports more line cards.
UBR-MC11C	UBR-MC14C or UBR7111	Cisco uBR-MC14C offers three more upstream ports than the Cisco uBR-MC11C. Cisco uBR7111 offers a complete system that includes an integrated upconverter and line card, rather than just a line card.
UBR-MC11C=	UBR-MC14C= or UBR7111=	Cisco uBR-MC14C spare offers three more upstream ports than the Cisco uBR-MC11C spare. Cisco uBR7111 spare offers a complete system spare that includes an integrated upconverter and line card.

Availability

The Cisco uBR7223 and Cisco uBR-MC11C line card orderability will be closed on January 24, 2003. All replacement products listed above are available and orderable immediately, except for the new Cisco uBR7223-MC14C.

Trade-in Credit

Due to low utilization, the Cisco Technology Migration Plan (CTMP) program will no longer provide credit for the trade-in of Cisco uBR-MC14C toward a Cisco uBR-MC16C, Cisco uBR-MC16E, or Cisco uBR-MC16S, effective November 11, 2002.

For more information about Cisco products, please contact your Cisco account manager and/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



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