



Cisco uBR-MC16B Universal Broadband Router Line Card End-of-Engineering and End-of-Support Announcement

Cisco Systems announces the end of engineering and end of support for the Cisco uBR-MC16B Universal Broadband Router line card, effective November 30, 2002. The line card is supported on the Cisco uBR7200 Series Universal Broadband Router. The previously announced end-of-sales (EOS) date—also known as the last order date—for the end-of-life (EOL) product was November 30, 1999. Ordering and pricing were turned off on that date. The end of support—also known as the “product obsolete” date—for the EOL product will be November 30, 2004.

EOL Milestones, Definitions, and Calendar

EOL refers to all activities revolving around the discontinuation of a product. Table 1 defines terms and timing of EOL milestones announced in this product bulletin.

Table 1 Cisco uBR-MC16B Universal Broadband Router Line Card EOL Milestone Dates

Milestone	Effective Date	Impact
End of Sales	November 30, 1999	Date when EOL products are no longer orderable or visible on Cisco price lists. Service contracts are renewed until the end-of-contract-renewal milestone. Products are supported until the end-of-support milestone.
End of Production	December 30, 1999	Date when Manufacturing no longer builds packages for the EOL product and no longer maintains stock levels. Cisco Customer Advocacy (CA) will maintain stocks to fulfill Return Material.
End of Engineering Support	November 30, 2002	Date when Cisco Development Engineering no longer provides P1/P2 and S1/S2 bug fixes.
End of Contract Renewal	November 30, 2003	Date when service contracts are no longer renewed.
End of Life	November 30, 2004	Date when Cisco no longer supports the product.

EOL Product and Upgrade Options

This section presents upgrade options for the EOL product and outlines the benefits of upgrading. Table 2, on the next page, indicates the:

- Upgrade options for the Cisco uBR-MC16B Universal Broadband Router line card for the Cisco uBR7200 Series
- Recommended Cisco IOS® Software
- Availability of the upgrade option

Table 2 Upgrade Options

EOL Product Ordering Number	Upgrade Option Ordering Number	Recommended Cisco IOS Software	Availability of Upgrade Option
UBR-MC16B UBR-MC16B=	UBR-MC16C UBR-MC16C=	The latest Cisco IOS release 12.1EC (extensions to DOCSIS 1.0) or 12.2BC (DOCSIS 1.1)	Now

The Cisco uBR-MC16C Universal Broadband Router line card offers the same functionality as the Cisco uBR-MC16B with two exceptions:

- First, the Cisco uBR-MC16C delivers +42 dBmV IF output power to the Intermediate Frequency (IF)-to-Radio Frequency (RF) upconverter at the Community Antenna Television (CATV) headend. This power rating is 10 dB greater than the previously released Cisco uBR-MC11 and Cisco uBR-MC16B line cards which deliver +32 dBmV output power. To keep the IF-to-RF upconversion operational, use the optional -10 dB attenuator with your Cisco uBR-MC16C line card.
- Secondly, whereas the Cisco uBR-MC16B excludes support of 256 quadrature amplitude modulation (QAM) downstream and 16 QAM upstream support at two of the five Data-Over-Cable-Service Interface Specifications (DOCSIS) upstream symbol rates (2560K and 160K), the Cisco uBR-MC16C line card supports the following defaults: 256 QAM at 40 Mbps downstream and 16 QAM at 5 Mbps upstream. The card supports upstream channel widths of 200 kHz, 400 kHz, 800 kHz, 1.6 MHz, and 3.2 MHz.

Cisco Trade-In Program

Cisco offers an aggressive trade-in program called the Cisco Technology Migration Plan. This program enables Cisco customers to upgrade their existing Cisco network equipment. For more information about this program, please refer to:

<http://www.cisco.com/cgi-bin/front.x/CTMP/ctmpServlet/StartHandler>

Additional Information

For further information about the Cisco uBR7200 Series Universal Broadband Router, please refer to:

<http://www.cisco.com/en/US/products/hw/cable/ps2217/index.html>

If you have questions about this announcement, please contact your local sales representative. For business issues or general questions regarding this bulletin, please contact Sanjeev Desai, Product Manager, at 408) 525-9866 or e-mail sandesai@cisco.com. For specific orderability questions, please contact your customer service representative. For support issues, please e-mail the Cisco Technical Assistance Center (TAC) at tac@cisco.com.



Corporate Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters
Cisco Systems Europe
11, Rue Camille Desmoulins
92782 Issy-les-Moulineaux
Cedex 9
France
www-europe.cisco.com
Tel: 33 1 58 04 60 00
Fax: 33 1 58 04 61 00

Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters
Cisco Systems, Inc.
Capital Tower
168 Robinson Road
#22-01 to #29-01
Singapore 068912
www.cisco.com
Tel: 65 317 7777
Fax: 65 317 7799

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on the **Cisco Web site at www.cisco.com/go/offices**

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica • Croatia
Czech Republic • Denmark • Dubai, UAE • Finland • France • Germany • Greece • Hong Kong SAR • Hungary • India • Indonesia • Ireland
Israel • Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland
Portugal • Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia • Slovenia • South Africa • Spain • Sweden
Switzerland • Taiwan • Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe

Copyright © 2003 Cisco Systems, Inc. All rights reserved. Cisco, Cisco IOS, Cisco Systems, and the Cisco Systems logo are registered trademarks or trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and certain other countries.

All other trademarks mentioned in this document or Web site are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0208R)