



END-OF-LIFE NOTICE, NO. 2774

END-OF-SALE AND END-OF-LIFE ANNOUNCEMENT FOR CISCO 5X20S BROADBAND PROCESSING ENGINE

Cisco Systems® announces the end-of-sale and end-of-life dates for the Cisco® 5x20S Broadband Processing Engine for the Cisco uBR10012 Universal Broadband Router. The last day to order the Cisco 5x20S Broadband Processing Engine is September 1, 2005. Customers will continue to receive support from the Cisco Technical Assistance Center (TAC) until September 1, 2010. Table 1 describes the end-of-life milestones, definitions, and dates for the Cisco 5x20S Broadband Processing Engine. Table 2 lists the product part numbers affected by this announcement.

Customers are encouraged to migrate to the Cisco 5x20U Broadband Processing Engine—a newer model that enhances functionality of the Cisco 5x20S to include:

- Support for 6 MHz and 8 MHz downstream channel widths
- State-of-the-art, front-end design for improved downstream quadrature amplitude modulation (QAM) fidelity
- Extended upstream frequency range, supporting frequency allocation up to 65 MHz

Information about the Cisco 5x20U can be found at <http://www.cisco.com/en/US/products/hw/modules/ps4969/ps5218/index.html>.

Table 3 provides relevant information for migrating from the Cisco 5x20S to the Cisco 5x20U.

Table 1. End-of-Life Milestones and Dates for the Cisco 5x20S Broadband Processing Engine

Milestone	Definition	Effective 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.	March 1, 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.	September 1, 2005
Last shipment date	The last-possible date that Cisco and/or its contract manufacturers will ship the affected product.	December 1, 2005
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.	September 1, 2006
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.	September 1, 2006
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.	September 1, 2006
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.	June 1, 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.	September 1, 2010

Table 2. Product Part Numbers Affected by This Announcement

Product Number	Description
UBR10-MC5X20S-D	Cisco Broadband Processing Engine Line Card for the Cisco uBR10012: 5 downstreams with integrated upconverters, 20 upstreams, spectrum analyzer, dense connector
UBR10-MC5X20S-D=	Cisco Broadband Processing Engine Line Card for the Cisco uBR10012: 5 downstreams with integrated upconverters, 20 upstreams, spectrum analyzer, dense connector (Spare)

PRODUCT MIGRATION OPTIONS

The recommended replacement for the Cisco 5x20S is the Cisco 5x20U. The Cisco 5x20U evolves the Cisco 5x20S, utilizing newer technology in the RF front end, while sharing the same architecture. This allows the Cisco 5x20U to support an extended upstream frequency range, as well as 8 MHz downstream channelization for Euro-DOCSIS operations (ITU J.83 Annex A). At the same time, the Cisco 5x20U improves QAM fidelity due to a state-of-the-art modulator. The Cisco 5x20U also supports J-DOCSIS operation. See Table 3 for a product comparison of the Cisco 5x20U and Cisco 5x20S.

Table 3. Product Comparisons

Description	Cisco 5x20S Broadband Processing Engine (Part No. UBR10-MC5X20S-D)	Cisco 5x20U Broadband Processing Engine (Part No. UBR10-MC5X20U-D)
DOCSIS PHY (ITU J.83 Annex B)	Supported	Supported
Euro-DOCSIS (ITU J.83 Annex A)	Not Supported	Supported
J-DOCSIS (Annex A US, Annex B DS)	Not Supported	Supported
Ingress noise cancellation	Supported	Supported
Direct sampling	Supported	Supported
DOCSIS 2.0 ATDMA	Supported	Supported
Integrated upconverters	Supported	Supported
MCX ("dense") connectors	Supported	Supported
Spectrum analyzer hardware	Supported	Supported
N+1	Supported	Supported
Load balancing	Supported	Supported
Virtual interfaces	Supported	Supported
PacketCable 1.0 with CALEA	Supported	Supported
Virtual interfaces in N+1 scenario	Supported	Supported

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 5x20U, visit:

http://www.cisco.com/en/US/products/hw/modules/ps4969/products_data_sheet09186a0080179136.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.

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

**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 International BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

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.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 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 Website at www.cisco.com/go/offices.**

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica
Croatia • Cyprus • 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

All contents are Copyright © 1992–2005 Cisco Systems, Inc. All rights reserved. Cisco, Cisco Systems, and the Cisco Systems logo are registered trademarks or trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website 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. (0501R) JR/LW7920 02/05

