



End-of-Sale and End-of-Life Announcement of Cisco 1600-R Series Routers

This Product Bulletin serves as the formal notification of the End of Sales (EoS), End of Engineering, and End of Life (EoL) for the *Cisco 1601-R, Cisco 1602-R, Cisco 1603-R, Cisco 1604-R, and Cisco 1605-R* routers. The replacement products are the Cisco 1700 series routers that offer modular design, higher performance, and additional services including 3DES VPN, firewall, voice, and DSL broadband. For data and security services, the Cisco 1721 with optional WAN interface cards is a direct substitute for the Cisco 1600-R routers. For voice solutions, the Cisco 1751 and 1760 support data and voice integration with analog and digital voice support. The Cisco 1760 also offers 19-inch rack-mount access solutions. For additional flexibility and higher performance, the Cisco 2600XM router platform can also be considered as replacement products.

The Cisco 1600 Series router family has been a tremendously successful platform for branch office solutions. As more customers deploy networked-based and Internet applications, they require a routing platform with higher performance and advanced services support for voice, broadband DSL, 3DES VPN with hardware encryption, firewall and Intrusion Detection. The Cisco 1700 Series delivers the solutions to meet these needs. As a result, customers have steadily migrated to the Cisco 1700 Series Routers. Customers who are ordering the Cisco 1600 routers are advised to transition to the Cisco 1700 Series Routers (see Table 1 for Cisco 1600-R and Cisco 1700 feature comparisons). Table 2 lists Cisco 1600-R SKUs affected by the End-of-Sale announcement. Key dates for EOS/EOL are detailed in Table 3. The replacement products are detailed in Table 4.

The Cisco 1700 Series Overview and Technology Migration interactive tool is available at:
<http://www.cisco.com/warp/public/779/smbiz/flash/1700/>

For more information on the Cisco 1700 series routers, please visit the following URL:
<http://www.cisco.com/go/1700>

The following URL provides the Cisco 1600 to 1700 Series Migration Guide (internal/
partner/reseller log-in required)
http://www.cisco.com/cpropart/salestools/cc/pd/rt/1600/sales/csst_st.pdf



Table 1 Cisco 1600-R Series and Cisco 1700 Series Products Comparison (X' depicts feature is supported).

| Features | Cisco 1600-R | Cisco 1721 | Cisco 1751 | Cisco 1760 |
|---------------------------------------|--------------|------------|------------|------------|
| Modular Slots | 1 | 2 | 3 | 4 |
| Performance increase over Cisco 1600 | — | 3x | 3x | 4x |
| Default memory (Flash/DRAM) | 4/8 MB | 16/32 MB | 16/32 MB | 16/32 MB |
| Max. Memory (Flash/DRAM) | 16/24 MB | 16/96 MB | 16/96 MB | 64/96 MB |
| 10/100 Fast Ethernet | — | X | X | X |
| ISDN | X | X | X | X |
| Frame Relay | X | X | X | X |
| Leased line | X | X | X | X |
| Stateful inspection firewall | X | X | X | X |
| VLAN (IEEE 802.1Q) | — | X | X | X |
| DSL broadband | — | X | X | X |
| Dual BRI | — | X | X | X |
| IPSec 3DES | — | X | X | X |
| Hardware assist wire speed VPN | — | X | X | X |
| Cisco Easy VPN remote/server | — | X | X | X |
| Integrated analog modem | — | X | X | X |
| Auxiliary port (115.2 kbps Async) | — | X | X | X |
| T1/E1 multiflex VWICs | — | X | X | X |
| Packetized voice (VoIP, VoFR) | — | — | X | X |
| Maximum number of analog voice ports | — | — | 6 | 8 |
| Maximum number of digital voice ports | — | — | 30 | 30 |
| 19-inch rack-mount chassis | — | — | — | X |



Cisco 1600-R Series End-of-Sales/End-of-Life (EOS/EOL) Information

Table 2 EOS/EOL Products Part Number

| Product Number | Description |
|-----------------|--|
| CISCO1601-R | Ethernet/Serial Modular Router, 4M Flash/8M DRAM |
| CISCO1602-R | Ethernet/Serial Modular Router w/56k DSU 4-wire, 4M FL/8M DR |
| CISCO1603-R | Ethernet/ISDN-BRI Modular Router, 4M Flash/8M DRAM |
| CISCO1604-R | Ethernet/ISDN-BRI w/NT1, 4M Flash/8M DRAM |
| CISCO1605-R | Dual Ethernet/WAN slot Modular Router, 4M Flash/8M DRAM |
| WIC-1B-S/T-LL | 1-port ISDN Leased Line WAN Card for Cisco 1603/1604 |
| WIC-1B-S/T-LL= | 1-port ISDN Leased Line WAN Card for Cisco 1603/1604 Spare |
| MEM1600R-8U10D | 8MB to 10MB DRAM Factory Upgrade for Cisco 1600-R |
| MEM1600R-8U12D | 8MB to 12MB DRAM Factory Upgrade for Cisco 1600-R |
| MEM1600R-8U16D | 8MB to 16MB DRAM Factory Upgrade for Cisco 1600-R |
| MEM1600R-8U24D | 8MB to 24MB DRAM Factory Upgrade for Cisco 1600 R |
| MEM1600R-4FC | 4 MB Flash Card for Cisco 1600-R |
| MEM1600R-4U6FC | 4MB to 6MB Flash Factory Upgrade for Cisco 1600-R |
| MEM1600R-4U8FC | 4MB to 8MB Flash Factory Upgrade for Cisco 1600-R |
| MEM1600R-4U12FC | 4MB to 12MB Flash Factory Upgrade for Cisco 1600-R |
| MEM1600R-4U16FC | 4MB to 16MB Flash Factory Upgrade for Cisco 1600-R |
| MEM1600-2D= | Cisco 1600 2MB DRAM SIMM |

Table 3 Key EOS/EOL Dates for Cisco 1600-R Series

| Milestone | Dates | Description |
|--|--------------------------|---|
| End-of-sales announcement | August 19, 2002 | Cisco 1600-R Series End-of-Sales announced |
| End-of-sales date | February 28, 2003 | Last day to place orders |
| Last ship date | May 31, 2003 | Last day products shipped from manufacturing |
| Last date for hardware support | February 28, 2005 | Cisco will no longer make changes in the hardware |
| Last date for software support | February 28, 2006 | Cisco will no longer make changes in the software |
| End of service contract renewal | February 28, 2007 | Contracts for the product can be renewed before February 28, 2007, and the renewal price will be prorated, accordingly. |
| Last date for service support | February 28, 2008 | The last date to receive service and support for the product. After this date, all support services for the product are unavailable, RMA are not accepted and the product becomes obsolete. |

Table 4 Product Substitution

| EoS Product | Replacement Product |
|--------------|--|
| Cisco 1601-R | Cisco 1721+WIC-1T or Cisco 1760+ WIC-1T for voice |
| Cisco 1602-R | Cisco 1721+WIC-1DSU-56k or Cisco 1760+ WIC-1DSU-56kfor voice |
| Cisco 1603-R | Cisco 1721+WIC-1B-S/T or Cisco 1760+ WIC-1B-S/T for voice |
| Cisco 1604-R | Cisco 1721+WIC-1B-U or Cisco 1760+ WIC-1B-U for voice |
| Cisco 1605-R | Cisco 1721+WIC-1ENET or Cisco 1760+ WIC-1ENET for voice |

Support Programs

End-of-Sales (EoS) refers to the time when products are no longer available for new purchases; it does not apply to the service and support programs for those products. Cisco will continue to support the listed products through its SMARTnet and comprehensive maintenance programs. Customers with either of these service contracts are entitled to free software updates, 24-hour phone support through the Technical Assistance Center, and advanced replacement of hardware for repairs. Comprehensive maintenance customers also receive onsite service. Customers who do not have a maintenance contract can purchase software updates and hardware repair services from Cisco to meet specific requirements rather than full-service coverage. Cisco is committed to providing software support for a minimum of two years and providing technical support for a period of five years after the EoS date.

Software Support

The Cisco 1600-R Series is supported in Cisco IOS Software releases through the end of Cisco IOS 12.2T and Cisco IOS 12.3 Mainline.



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.
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

All contents are Copyright © 1992-2003, Cisco Systems, Inc. All rights reserved. CCIP, the Cisco Arrow logo, the Cisco Powered Network mark, the Cisco Systems Verified logo, Cisco Unity, Follow Me Browsing, FormShare, Internet Quotient, iQ Breakthrough, iQ Expertise, iQ FastTrack, the iQ logo, iQ Net Readiness Scorecard, Networking Academy, ScriptShare, SMARTnet, TransPath, and Voice LAN are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, Discover All That's Possible, The Fastest Way to Increase Your Internet Quotient, and iQuick Study are service marks of Cisco Systems, Inc.; and Aironet, ASIST, BPX, Catalyst, CCDA, CCDP, CCIE, CCNA, CCNP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, the Cisco IOS logo, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Empowering the Internet Generation, Enterprise/Solver, EtherChannel, EtherSwitch, Fast Step, GigaStack, IOS, IP/TV, LightStream, MGX, MICA, the Networkers logo, Network Registrar, Packet, PIX, Post-Routing, Pre-Routing, RateMUX, Registrar, SlideCast, StrataView Plus, Stratum, SwitchProbe, TeleRouter, and VCO are registered 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.
(0301R) N2/LW4260 0203