

3600 Series

Hardware Compression Module

End-of-Sales Notification

End-of-Sale Announcement for NM-COMPR

Introduction

Cisco Systems is announcing the End -of -Sale (EoS) for NM-COMPR (Hardware Compression network module) for the 3600 Series platforms. The major reasons for this decision are:

- The supplier of an Integrated Circuit (IC) which is key to the compression function has EoS'd (End of Sale'd) this IC.
- The sales volume of the NM-COMPR over its lifetime does not justify the major work to develop and test a replacement.

The recommended migration paths for customers requiring hardware compression is to the Cisco 3660 using the AIM-COMPR4. In contrast to the 2 T1/E1 - 4 Mbps fdx (approx. 8 Mbps aggregate) capability of the NM-COMPR, the AIM-COMPR4 supports 4 T1/E1 fdx (aggregate 16 Mbps). Since the 3660 can support 2 AIMS, the 3660 can scale to 32 Mbps of L2 compression. For 3620 customers that need a lower cost solution, the 2650 with the AIM-COMPR2 can be considered.

Because last-time buy purchases of specific EOL components have been made for the NM-COMPR, there is only a limited number of NM-COMPR's still available. Orderability of this product will only stay open until this inventory is depleted. At current run rate, the NM-COMPR inventory is expected to last until June, 2002.

The replacement products and support programs are detailed below. For those interfaces already deployed in the field, the standard Cisco support programs remain in effect.

Table 1: NM-COMPR EoS Schedule

Product Affected	EoS Announcement Date	Last Order Date	Last Ship Date
NM-COMPR	March 1, 2002	June 1, 2002	June 15, 2002

Support Programs

End-of-Sale refers to the time when certain 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 NM-COMPR network module through our 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 hardware support for a period of five years after the EoS date.

Product Substitution

Table 2: Network Module Substitution

End-of-Sale Product	Recommended Replacement Product	Recommended Replacement Platform	Advantages of Replacement Product
NM-COMPR	AIM-COMPR2	261x, 262x, 265x	More efficient use of NM resources; does not require a Network Module slot
	AIM-COMPR4	3661, 3662	More efficient use of NM resources; does not require a Network Module slot

The AIN-COMPR4 provides the same compression services with 2x the throughput performance of the NM-COMPR modules. The minimum Cisco IOS release required for the hardware compression AIMS are as follows:

Table 3: Minimum Cisco IOS requirements

Advanced Integration Module (AIM)	Cisco IOS software release support
AIM-COMPR2	12.0(1)T and above including: 12.0(3)T, 12.0(5)XK, 12.0(7)T, 12.0(7)XK, 12.1(1)T, 12.1(1), 12.1(5)YB, 12.1(5)YD, 12.2(1), 12.2(2)T, 12.2(2)XT
AIM-COMPR4	12.0(5)T, and above including: 12.0(5)XK, 12.0(7)XK, 12.1(1)T, 12.1(1), 12.1(5)YB, 12.1(5)YD, 12.2(1), 12.2(2)T, 12.2(2)XT

Key Benefits of Compression AIM's

- Maximizes System Resources
 - Frees the platform's CPU for other routing tasks, improving performance
 - Provides simultaneous support for multiple circuits
 - Provides maximum compression performance where required
- Reduces Costs
 - Reduces packet traffic on a link when tariffing is usage based (resulting in WAN cost reduction)
 - Shrinks frame lengths, allowing more data to be transmitted using the same amount of bandwidth and reducing the need for costly additional WAN links or circuits
 - Enables customers to deploy additional services such as voice/data integration without increasing bandwidth
- Improves WAN Bandwidth Efficiency
 - Maximizes WAN data throughput on all WAN interfaces (avoiding the expense of additional or higher-speed links)
 - Improves application response time on congested links
 - Maximizes the advanced bandwidth management capabilities of Cisco IOS



- Improves Branch-Office Network Manageability
 - Eliminates costly external third-party products
 - Single management view for platform and compression services
- Supports Industry Standards
 - STAC (QIC122) compression algorithms
 - Microsoft Point-to-Point Compression algorithm
 - FRF.9 Frame Relay Payload Compression
 - Compression Control Protocol (CCP) RFC

Table 4: Hardware Compression Network Module and AIM comparison table

NM of Advanced Integration Module (AIM)	Description	Performance
NM-COMPR	Hardware compression module that supports all serial, BRI/PRI ISDN and channelized T1/E1 network modules and WAN interface Cards (WIC's). No external LAN or WAN ports provided. Supports HDLC, FRF.9 Frame-relay, PPP, and MLPPP Supports PPP STAC, MPPC compression	Up to 2 E1 full duplex (4Mbps full -duplex) of data payload compression
AIM-COMPR2	Hardware compression AIM that supports all serial, BRI/PRI ISDN and channelized T1/E1 network modules and WAN interface Cards (WIC's). Requires external WAN Interface Card (WIC) or WAN network module. Supports HDLC, FRF.9 Frame-relay, PPP, and MLPPP Supports PPP STAC, MPPC compression	Up to 2 E1 full duplex (4 Mbps full -duplex) of data payload compression
AIM-COMPR4	Hardware compression AIM that supports all serial, BRI/PRI ISDN and channelized T1/E1 network modules and WAN interface Cards (WIC's). Requires external WAN Interface Card (WIC) or WAN network module. Supports HDLC, FRF.9 Frame-relay, PPP, and MLPPP Supports PPP STAC, MPPC compression	Up to 4 E1 full duplex (8Mbps full -duplex) of data payload compression Supports up to 120 full-duplex compression histories (or virtual circuits [VCs]), allowing compression over multiple ISDN B-channels or Frame Relay PVCs)

End of Life Schedule

Table 5: NM-COMPR End-of-Life schedule

End-of-Sale Announcement	March 1, 2002
End-of-Sale	June 1, 2002 After June 1, 2002, the NM-COMPR can no longer be ordered
End-of-Shipment	Approx. June 15, 2002 (individual lead times may vary)
End-of Software Maintenance	End of Software maintenance is not being announced at this time
End-of-Hardware Maintenance	June 1, 2007 After June 1, 2007 no hardware repairs or exchanges will be available for the NM-COMPR

For more detailed technical information on the AIM-COMPR2 and the AIM-COMPR4 please see the following urls:

AIM-COMPR2 data sheet: http://www.cisco.com/warp/public/cc/pd/rt/2600/prodlit/dcaim_ds.htm

Solution Finder for Modular Routers: <http://www.cisco.com/pcgi-bin/finder/msbsearch.pl>

AIM-COMPR4 data sheet: http://www.cisco.com/warp/public/cc/pd/rt/3600/prodlit/4ecmp_ds.htm

AIM-COMPR4 TAC support page:

http://www-tac.cisco.com/Support_Library/Hardware/Access_Modules/AIM/aim-compression.html



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