

Cisco 2600/3600

Feature and Memory Update

This Product Bulletin covers the Cisco 2600 and Cisco 3600 series platforms, in reference to the following:

- Removal of legacy features from Cisco IOS Release 12.2(2)XT, 12.2(8)T and beyond
- High Density Analog and Fax Network Module Support
- Cisco IOS Images no longer orderable on Platforms
- Revised memory recommendations effecting all Cisco IOS 12.2T releases starting with 12.2(2)T
- Addition of an Enterprise Basic Image for Cisco 2600 and Cisco 3620 routers

Products Affected

- Cisco 2600 Series—All Cisco 2600 Series IOS feature
- Cisco 3600 Series—All Cisco 2600 Series IOS feature

Legacy Features Removed

Release 12.2(2)XT

The following features are removed from Cisco IOS version 12.2(2)XT from all feature sets for the Cisco 2600 and 3600 Series:

- LAN Extension
- Cominet Packet Protocol (CPP)
- HP Probe Protocol
- Exterior Gateway Protocol (EGP)
- IPX Netware Link State Protocol (NLSP)

- IPX Next Hop Routing Protocol (NHRP)
- XREMOTE
- Dec Local Area Transport (LAT)
- Appletalk
- Decnet Phase IV
- Banyan Vines
- Apollo Domain
- Xerox Network System (XNS)
- ATM LAN Emulation (LANE)
- Multi-Protocol Over ATM (MPOA)
- Remote Source Route Bridging (RSRB)
- Wireless Point-to-Multipoint

Note: Features removed in 12.2(2)XT only apply to that release

Release 12.2(8)T

Starting with Cisco IOS Release 12.2(8)T and beyond, the following features are removed from all feature sets for the Cisco 2600 Series, Cisco 3640, and Cisco 3660 platforms:

- LAN Extension
- Cominet Packet Protocol (CPP)
- HP Probe Protocol
- Exterior Gateway Protocol (EGP)
- IPX Netware Link State Protocol (NLSP)
- IPX Next Hop Routing Protocol (NHRP)
- XREMOTE
- Decnet Phase IV
- Banyan Vines



- Apollo Domain
- Xerox Network System (XNS)
- Wireless Point-to-Multipoint

Note: Features removed in 12.2(2)XT and those that no longer appear in the list above for 12.2(8)T, remain supported.

Release 12.2(8)T—Cisco 3620

Starting with Cisco IOS Release 12.2(8)T and beyond, the following features are removed or support is not included on all feature sets for the Cisco 3620:

- LAN Extension
- Combinet Packet Protocol (CPP)
- HP Probe Protocol
- Exterior Gateway Protocol (EGP)
- IPX Netware Link State Protocol (NLSP)
- IPX Next Hop Routing Protocol (NHRP)
- XREMOTE
- ATM LAN Emulation (LANE)
- Multi-Protocol Over ATM (MPOA)
- Decnet Phase IV
- Banyan Vines
- Apollo Domain
- Xerox Network System (XNS)
- Wireless Point-to-Multipoint
- Support for High Density Analog and Fax Network Modules (NM-HDA)

Release 12.2(8)T—Cisco 2600

Starting with Cisco IOS Release 12.2(8)T, the following features were removed from all “IP Plus” images and incorporated into the “Enterprise Plus” images on the Cisco 2600 only.

- ATM LAN Emulation (LANE)
- Multi-Protocol Over ATM (MPOA)

High Density Analog and Fax Network Module Support

The High Density Analog and Fax Network Module (NM-HDA) is not supported on the Cisco 3620, but is supported on the Cisco 2600, Cisco 3640 and Cisco 3660.



Images No Longer Orderable

Cisco 2610, 2611, 2612, 2613, 2620, 2621 Routers

The maximum memory capacity of the Cisco 261x and Cisco 262x routers are 64MB of DRAM. The images in Table 1 below exceed that capacity and the following IOS feature sets can no longer be ordered on the Cisco 261x and Cisco 262x with Cisco IOS Releases 12.2(2)XT, 12.2T, or any future releases of these feature sets.

Table 1 Images effected on Cisco 261x and Cisco 262x

Product Number	Feature Name	Image
S362AP	Enterprise Plus	-js-
S362AK8	Enterprise Plus IPSEC 56	-jk8s-
S362AK9	Enterprise Plus IPSEC 3DES	-jk9s-
S362AHK8	Enterprise/FW/IDS Plus IPSEC 56	-jk8o3s-
S362AHK9	Enterprise/FW/IDS Plus IPSEC 3DES	-jk9o3s-
S362AR1P	Enterprise/SNASW Plus	-a3js-
S362AR1K8	Enterprise/SNASW Plus IPSEC 56	-a3jk8s-
S362AR1K9	Enterprise/SNASW Plus IPSEC 3DES	-a3jk9s-
S362APU	Enterprise Plus/H323 MCM	-jsx-

Cisco 3620 Router

The maximum memory capacity of the Cisco 3620 router is 64MB of DRAM. The images in Table 1 below exceed that capacity and these images are deferred in Cisco IOS Release 12.2(2)XT and all Cisco IOS 12.2T releases, and beyond. These Cisco IOS feature sets can no longer be ordered on the Cisco 3620 with Cisco IOS Releases 12.2(2)XT, 12.2T, or any future releases of these feature sets.

Table 2 Images affected on Cisco 3620

Product Number	Feature Name	Image
S362AP	Enterprise Plus	-js-
S362AK8	Enterprise Plus IPSEC 56	-jk8s-
S362AK9	Enterprise Plus IPSEC 3DES	-jk9s-
S362AHK8	Enterprise/FW/IDS Plus IPSEC 56	-jk8o3s-
S362AHK9	Enterprise/FW/IDS Plus IPSEC 3DES	-jk9o3s-
S362AR1P	Enterprise/SNASW Plus	-a3js-
S362AR1K8	Enterprise/SNASW Plus IPSEC 56	-a3jk8s-
S362AR1K9	Enterprise/SNASW Plus IPSEC 3DES	-a3jk9s-
S362APU	Enterprise Plus/H323 MCM	-jsx-



Cisco 2600 and Cisco 3600 Routers

The images listed in Table 2 will no longer be offered starting in 12.2(2)XT, 12.2(8)T and beyond. In place of these current features, three new feature sets listed in Table 3 will be offered. These feature sets offer the same functionality as those in Table 2 with the exception of Decnet, which has been removed. These new features are deferred in 12.2(8)T, but are planned to be offered starting with 12.2(10)T and beyond with Cisco 2600 and Cisco 3600 Platforms.

Table 3 Current Images

Current Product Number	Current Feature Description	Current Product Number	Current Image
S26B S362B/S364B/S366B	IP/IPX/AT/DEC	S26B S362B/S364B/S366B	-d-
S26BP S362BP/S364BP/S366BP	IP/IPX/AT/DEC PLUS	S26BP S362BP/S364BP/S366BP	-do3-
S26B HP S362BHP/364BHP/ S366BHP	IP/IPX/AT/DEC/FW/IDS PLUS	S26B HP S362BHP/364BHP/ S366BHP	-do3s-

Table 4 New Images No Longer Containing Decnet

Product Number	New Feature Description	Product Number	New Image
S26B S362B/S364B/S366B	IP/IPX/AT	S26B S362B/S364B/S366B	-bin-
S26BP S362BP/S364BP/S366BP	IP/IPX/AT PLUS	S26BP S362BP/S364BP/S366BP	-bins-
S26B HP S362BHP/364BHP/S366BHP	IP/IPX/AT/FW/IDS PLUS	S26B HP S362BHP/364BHP/ S366BHP	-bino3s-



Revised Memory Recommendations

The Cisco IOS images in Table 5 below represent the revised recommended minimum memory requirements for use with the Cisco 2600 and Cisco 3600 series platforms. These recommendations are for current and future 12.2T Releases, including 12.2(2)XT. Some Cisco IOS feature sets will exceed the maximum limitations of the current Cisco 2600 or Cisco 3620 platforms. Those Cisco IOS feature sets will no longer be orderable for those platforms.

Table 5 Revised Recommended Minimum Memory Requirements

Product Number	Feature Name	Image	Min. Flash	Min. DRAM
SxxxAP	Enterprise Plus	-js-	32MB	96MB
SxxxAK8	Enterprise Plus IPSEC 56	-jk8s-	32MB	96MB
SxxxAK9	Enterprise Plus IPSEC 3DES	-jk9s-	32MB	96MB
SxxxAHK8	Enterprise/FW/IDS Plus IPSEC 56	-jk8o3s-	32MB	96MB
SxxxAHK9	Enterprise/FW/IDS Plus IPSEC 3DES	-jk9o3s-	32MB	96MB
SxxxAR1P	Enterprise/SNASW Plus	-a3js-	32MB	96MB
SxxxAR1K8	Enterprise/SNASW Plus IPSEC 56	-a3jk8s-	32MB	96MB
SxxxAR1K9	Enterprise/SNASW Plus IPSEC 3DES	-a3jk9s-	32MB	96MB
SxxxAPU	Enterprise Plus/H323 MCM	-jsx-	32MB	96MB

Addition of Cisco IOS "Enterprise Basic" Image for Cisco 2600 and Cisco 3620

As more features are added to the current mix of Enterprise features, additional memory requirements are needed to run these images. This has affected some platforms such as the Cisco 261x, Cisco 262x and Cisco 3620, since these platforms only support a maximum of 64MB of DRAM or a maximum of 16MB of Flash (Cisco 261x only). In order to address the need for Enterprise features that are affected by memory constraints on these platforms, Enterprise Basic is a new image to address this need. The list price for this new image is priced below the current Enterprise Plus image on both the Cisco 2600 and Cisco 3620 platforms. Please refer to product price list for further information or contact your Cisco Account Manager.

Product Number	Feature Name	Image	Min. Flash	Min. DRAM
S26AB S362AB	Enterprise Basic	-j1s3-	16MB	64MB

Platforms Supported:

- Cisco 261x, 262x and Cisco 3620 only
- Cisco IOS Release 12.2(8)T and beyond

Enterprise Basic consists of the same features as Enterprise Plus with the exception of the following features:

- LAN Extension
- Combinet Packet Protocol (CPP)
- HP Probe Protocol
- Exterior Gateway Protocol (EGP)
- IPX Netware Link State Protocol (NLSP)
- IPX Next Hop Routing Protocol (NHRP)
- XREMOTE
- Dec Local Area Transport (LAT)
- Appletalk
- Decnet Phase IV
- Banyan Vines
- Apollo Domain

- Xerox Network System (XNS)
- ATM LAN Emulation (LANE)
- Multi-Protocol Over ATM (MPOA)
- Wireless Point-to-Multipoint
- Support for High Density Analog and Fax Network Modules (NM-HDA)

Cisco 2600 and 3600 Platform Information

For further information about Cisco 2600 and Cisco 3600 platforms, go to

<http://www.cisco.com/warp/public/cc/pd/rt/2600/index.shtml>
and

<http://www.cisco.com/warp/public/cc/pd/rt/3600/index.shtml>



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