APPENDIX F

Feature Support

This appendix lists IOS Release 10.2 features that currently are supported on specific router platforms.

Refer to your Release 10.2 router products release notes for the most up-to-date information about supported platforms and features, obsoleted features, and features not supported on specific platforms.

Supported Platforms and Features

IOS Release 10.2 is supported on the following router platforms:

- Cisco 7000 series

- Cisco 4000 series (including the new Cisco 4500)

- Cisco 3000 series (except the Cisco 3202)

- Cisco 2500 series (including the new Cisco 2509, Cisco 2510, Cisco 2511, and Cisco 2512 platforms)

- AGS+ (with a CSC/4 processor board)

- MGS (with a CSC/4 processor board)

- CGS (with a CSC/4 processor board)

IOS Release 10.2 is also supported on the Cisco 1000 LAN Extender. The Cisco LAN Extender is a two-port chassis that connects a remote site, which can have one Ethernet network, to a core router in a central site. The connection between the LAN extender and the core router is made via a short-distance leased serial line, typically a 56-kbps or 64-kbps line, but possibly a T1/E1 line. The core router configures the LAN Extender as one of its logical interfaces, configures the serial interface that connects it to the LAN Extender, and binds the LAN Extender logical interface to the router's serial interface.

The new Cisco 2509, Cisco 2510, Cisco 2511, and Cisco 2512 platforms, which can be configured as routers or as communication servers, share the same features but differ in the number of available Ethernet, Token Ring, synchronous, and asynchronous interfaces.

Table F-1   Features Supported by Router Platforms

Feature	Cisco 7000 series	Cisco 4000 series	Cisco 3000[1]	Cisco 2500 series	AGS+	MGS	CGS
Routing	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bridging	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Packet switching	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Protocol translation	No	4000: No 4500: Yes	Yes	Yes	No	No	No
Flash EPROM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Telnet	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SLIP (with AUX port)	Yes	Yes	Yes	Yes	Yes	Yes	Yes

1. Except the Cisco 3202.

Table F-2   LAN Interfaces Supported by Router Platforms

Feature	Cisco 7000 series	Cisco 4000 series	Cisco 3000[1]	Cisco 2500 series	AGS+	MGS	CGS
Ethernet (AUI)	Yes	4000: Yes (IE/2E) 4500: Yes (2E)	Yes	Yes	Yes	Yes	Yes
Ethernet (10BaseT)	No	4000: Yes (IE/2E) 4500: Yes (2E)	No	No	Yes	No	No
4-Mbps Token Ring	Yes	Yes (1R/2R)	Yes	Yes	Yes	Yes	Yes
16-Mbps Token Ring	Yes	Yes (1R/2R)	Yes	Yes	Yes	Yes	Yes
FDDI DAS	Yes	Yes (multimode DAS)	No	No	Yes	No	No
FDDI SAS	Yes	Yes (multimode SAS)	No	No	Yes	No	No
FDDI multimode	Yes	Yes (DAS/SAS)	No	No	Yes	No	No
FDDI single-mode	Yes	Yes (single-mode DAS)	No	No	Yes	No	No

1. Except the Cisco 3202.

Table F-3   WAN Interfaces Supported by Router Platforms

Feature	Cisco 7000	Cisco 4000 series	Cisco 3000[1]	Cisco 2500 series	AGS+	MGS	CGS
Data Rates							
48/56/64 kbps	Yes	Yes (2T/4T)	Yes	Yes	Yes	Yes	Yes
1.544/2.048 Mbps	Yes	Yes (2T/4T)	Yes	Yes	Yes	Yes	Yes
34/45/52 Mbps	Yes	No	No	No	Yes	No	No
Interfaces							
EIA/TIA -232	Yes	Yes (2T/4T)	Yes	Yes	Yes	Yes	Yes
X.21	Yes	Yes (2T/4T)	Yes	Yes	Yes	Yes	Yes
V.35	Yes	Yes (2T/4T)	Yes	Yes	Yes	Yes	Yes
EIA-530	Yes	Yes (2T/4T)	Yes	Yes	No	No	No

Feature	Cisco 7000	Cisco 4000 series	Cisco 3000[1]	Cisco 2500 series	AGS+	MGS	CGS
EIA/TIA -613 (HSSI)	Yes	No	No	No	Yes	No	No
ISDN BRI	No	4000: No 4500: Yes	Yes	Yes	No	No	No
G.703	No	No	No	No	Yes	No	No

1. Except the Cisco 3202.