BLACK BOX ®

The World's Source for Connectivity℠

Cisco 2500 Series
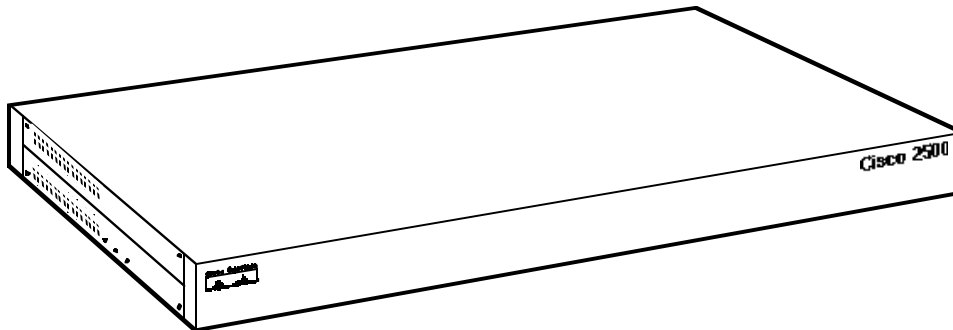
All the options you need to connect your remote office—from one of Cisco's Certified Premier Resellers.

The Cisco 2501 Router is offered in three versions so you can choose the ports you need to increase your WAN performance, provide Internet access, or connect your remote branch office sites.

Key Features

▶ *The perfect choice for small-to-midsize networks in need of remote access.*

▶ *Support for your WAN and remote-office connections.*

▶ *Consolidates individual LANs into WANs to improve network performance.*

▶ *Modular 3-Port Routers offer WAN and DDS connectivity.*

▶ *Access Servers offer async line support in addition to LAN and WAN connections.*

▶ *Use the integrated Hub/Routers for complete hub and router functionality in one package.*

Technically Speaking

Get the Cisco reliability you need with the technical support you trust! And now Black Box is a Certified Cisco Premier Reseller, so you can be even *more* certain we have products and the expertise to meet your Router needs—today and in the future.

With the Cisco 2500 Series, you can choose from Routers, integrated Hub/Routers, Access Servers, or Modular 3-Port Routers. That means you have guaranteed remote access for virtually every networking situation you encounter.

Then choose the Cisco IOS™ (Internetwork Operating System software) feature set that offers support for extensive security features, reduced WAN service costs, and enhanced multimedia support. The feature sets available have today's most widely used network protocols: IP, IPX, AppleTalk®, and DEC™ routing for the desktop.

For optimal bandwidth, the 2500 series offers data compression and multiple traffic-prioritisation techniques to ensure that your mission-critical data gets through fast, while features such as protocol spoofing, snap-shot routing, bandwidth on demand, dial on demand, and NLSP route aggregation keep down the cost of usage-based services such as ISDN.

Plus these products are compatible with the entire Cisco line, as well as with equipment from other makers, so you get full interoperability for most network environments.

ClickStart™ software enables you to install your router quickly and easily using any Web browser from any desktop platform.

And since we're a Cisco Certified Premier Reseller, our Technical Support Staff is trained and certified by Cisco to support the entire line of Cisco products we have available. That means you'll get the product information and technical help you need from certified experts.

Typical Application

Use the 2500 Series to establish an Internet presence as well as send and receive e-mail and do research on the Net. You can also use the 2500 Series to create between 19 and 26 remote branch-office locations for your Ethernet or Token Ring networks.

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Cisco 2501/2503/2514 Routers

Use these Routers for multiprotocol routing between your LANs and WANs. You can create a packet-filtering firewall within your corporate Intranet or out to the Internet. And dial backup guarantees that your links remain intact should your primary link fail.

These Routers are available with one Ethernet and two serial ports; one Ethernet, one serial, and one ISDN port; or two Ethernet and two serial ports.

Cisco 2502/2504/2513/2515 Routers

The newest addition to the Cisco 2500 family at Black Box, these Routers bring standard LAN/WAN connectivity as well as hubs with async line support built right in.

Models include one with a single Token Ring LAN and dual serial ports; another with one Ethernet port, one Token Ring port and dual serial ports; or a model with dual Token Ring and dual serial ports.

Cisco 2505/2507/2516 Hub/Routers

These integrated Hub/Routers provide full router support and hub functionality in one convenient unit.

You get multiprotocol routing with integrated 10BASE-T hubs and dual serial ports. Use the 8 or 16 available Ethernet ports to connect to patch panels or to other Ethernet workstations.

Connect to a WAN with one of the synchronous serial ports and use the second sync serial port as an alternate or backup link.

If you need a router with an ISDN BRI interface, the 2516 model has dual serial and ISDN-U ports.

Cisco 2509/2511 Access Servers

The Access Servers support LAN, WAN, and async lines in one unit. What's more, since these Severs combine the functions of a terminal server, protocol translator, and router in one, you can make the most of your networking budget.

Specifications

Line Type — Leased, PSTN, ISDN

Memory — Flash: 8 MB of flash memory (except for mission-specific routers which require only 4 MB of Flash memory), upgradable to 16 MB; Primary DRAM: 4 MB, upgradable via plug-in SIMM modules

Processor — 20 MHz

Protocols — LAN: IP, IPX, AppleTalk®, DECnet™, VINES™; WAN: PPP, Frame Relay

Connectors — Routers: All: (1) Ethernet AUI, (2) DB60; Ethernet: 10 mbps via AUI connector; Serial (DB60): V.35, RS-232, RS-449, X.21, RS-530; Speeds up to 2 Mbps; Sync Serial: 2; CISCO2503, CISCO2504: (1) ISDN BRI U interface

CISCO2514: (1) Additional Ethernet AUI; Hub/Routers: (8), (14) or (16) RJ-45; Access Servers: LAN: (1) Ethernet AUI; WAN: (2) Sync serial DB60; CISCO2509: via 68-pin SCSI II connectors; CISCO2511: (2) 69-pin SCSI II connectors; Modular 3-Port Routers:

Power — 100–240 VAC, autosensing, 50–60 Hz, 40 watts max. at 0.5 to 1.0 Amps

Size — 4.6H x 45.7W x 27D cm (1.8"H x 18"W x 10.6"D), which equals 1 rack unit

Weight — 4.5 kg

For these and other components...
Call our expert Technical Support Staff for all your LAN needs.
They'll help you find the best equipment for your application.

Ordering Information

PRODUCT NAME	ORDER CODE

Cisco 2500 Series
  2501/2503/2514 Routers
    Ethernet/Dual Serial....................................CISCO2501-CH
    Ethernet Dual Serial/ISDN.........................CISCO2503-CH
    Dual Ethernet/Dual Serial..........................CISCO2514-CH
  2505/2507/2516 Hub/Routers
    with 8 UTP/2 Sync Serial Ports..................CISCO2505-CH
    with 16 UTP/2 Sync Serial Ports................CISCO2507-CH
    with Dual Serial & ISDN-U (RJ-45 & AUI)CISCO2516-CH
  2509/2511 Access Servers
    with 8 Async Ports.......................................CISCO2509-CH
    with 16 Async Ports.....................................CISCO2511-CH

You will need one set for each 2500 Series Router...*

Cisco IOS™ Feature Sets
  IP...CD25-C
For additional protocols
  IP Plus...CD25-CP/E
  IP/IPX™/AppleTalk®/DEC™ CD25-B
  IP/IPX/AppleTAlk/DEC Plus CD25-BP
...then you will need to order cable(s):
  V.35   DTE   *Cisco Part #CAB-V35MT* EHC100-0010
              DCE   *Cisco Part #CAB-V35FC*..........EHC110-0010
  RS-232 DTE   *Cisco Part #CAB-232MT* EHC120-0010

              DCE   *Cisco Part #CAB-232FC* EHC130-0010
  RS-449 DTE   *Cisco Part #CAB-449MT* EHC140-0010
  X.21   DTE   *Cisco Part #CAB-X.21MT* EHC160-0010
  EIA-530 DTE   *Cisco Part #CAB-530MT* EHC150-0010

You may choose optional memory...
  8 MB of DRAM..MEM-1x8D
  4 MB Flash SIMM...MEM-1x4F
  8 MB Flash SIMM...MEM-1x8F
  4 to 8 MB Flash Upgrade....................................MEM-1x8F-U

...and Rackmount Kit:
  Cisco Rackmount Kit ....ACS-2500RM-19=

*At least one Cisco IOS™ IP Feature Set is required to activate your router's functionality. You should also order cable.