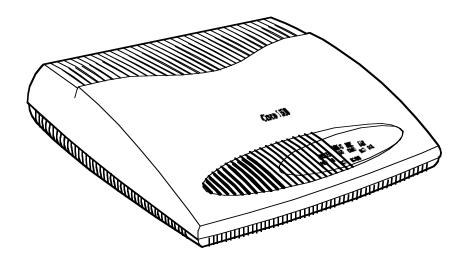


Cisco Series 1600 Modular Routers



Get the reliability of Cisco Routers you need with the technical support you trust from Black Box!

Key Features

- Ethernet LAN port using either the 10BASE-T port or the AUI port.
- Console port (RJ-45).
- One fixed WAN port.
- Slot for a WAN interface card, for the addition of an optional WAN port.
- Slot for FLASH memory PC Card, which can be preconfigured by a network administrator, and installed in the router at a remote site.
- Router management through the console port or over the network using SNMP.

Overview

ow you can purchase Cisco 1600 series routers from Black Box.

The Routers have one of the following WAN interfaces:

- Cisco 1601: One serial interface (DB60), which supports asynchronous analog connections up to 115.2 Kbps, and synchronous connections, such as leased lines, Frame Relay, 56-Kbps services, SMDS, and X.25, up to 2.048 Kbps.
- Cisco 1603: One ISDN S/T interface (RJ-45), which supports one ISDN BRI connection but not a second ISDN card. (An ISDN BRI connection consists of two 64-Kbps B channels and one 16-Kbps D channel).

• Cisco 1605: Two Ethernet connections and (1) WAN interface.

The Router can support one additional non-ISDN WAN interface (for a total of two WAN interfaces) by installing a WAN interface card in the slot provided on the router. Cisco 1600 routers support the following WAN interface cards:

- Serial (synchronous and asynchronous)
- ISDN BRI S/T (can be used with Cisco 1601 only)
- ISDN BRI U (integrated

NT1, can be used with Cisco 1601 and 1602 only)

The Router runs Cisco Internetwork Operating System (Cisco IOS) software.



Typical Application

Configure a Cisco Series 1600 router via a terminal or PC running terminal emulation software connected to the Router through its console port.

18430

Technically Speaking

efore using a Cisco Series 1600 Router with an ISDN BRI interface or a Cisco 1600 Series Router with an ISDN BRI WAN interface card installed, you must order a correctly configured ISDN BRI line from your local telecommunications service provider.

This process varies dramatically from provider to provider on a national and international basis. However, following are some general guidelines.

- · Ask for two channels to be called by one number.
- Ask for delivery of caller
- If the router is going to be the only device attached to the ISDN BRI line, ask for point-to-point service and a data-only line.
- If you will be connecting another ISDN device (such as an ISDN telephone) to the ISDN BRI line through the router, ask for point-tomultipoint service (subaddressing is required) and a voice-and-data line.

Additional equipment you may need:

- IP Feature Sets (one required for each Router)
- IOS Feature Sets
- Memory modules

Cisco cables

• WAN interface cards



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.

Specifications

Data Compression — STAC, PPP/CCP

Packet Filtering — Based on network address

Routing Protocol —

Bridging/Routing: RIP, NLSP, IGRP, Enhanced IGRP; Datalink: PPP, MP;

Network, IP, IPX®, AppleTalk®; WAN: Frame Relay, ISDN,

leased lines, basic telephone service, Switched 56, SMDS, X.25

Security — PAP, CHAP, access lists, Lock and Key, 40/56-bit data encryption

Processor — Motorola MC68360 QUICC (33 MHz)

Console Port — RJ-45 connector

10BASE-T Port — RJ-45 connector

AUI Port — DB15 connector

Flash Memory Slot -

PCMCIA Type 2-compatible (for Flash memory PC

Serial Port (Cisco 1601) — DB60

ISDN Ports — RJ-45

Temperature — Operating: 0 to 40° C; Storage: -40 to 85°

Operating Humidity — 5 to 95%, non-condensing

Power — 100-240 VAC, 50-60 Hz

Size — H24 x W19 x D4 cm)

Weight — 0.6 kg

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME ORDER CODE
Cisco Series 1600 Modular Routers Ethernet
Dual Ethernet/(1) WAN Interface Slot RouterCISCO1605-R You need to order the following for each 1600 Router:
Cisco 1600 IP Feature Set
You may also need additional IOS Feature Sets
IP/IPX/AppleTalk®
Memory Modules 8-MB DRAM SIMMMEM1600-8D= 8-MB Flash CardMEM1600-8FC=
WAN Interface Cards 1-Port SerialWIC-1T 1-Port ISDNWIC-1B-S/T 1-Port ISDN w/NT-1WIC-1B-U

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