

## Product Overview

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The Cisco 2000 is a two-port multiprotocol router in a fixed-configuration system with specific software features that is ready for external network hardware connections. (See Figure 1-1.) This chapter contains the following sections:

- Licensed Software Features
- System Specifications

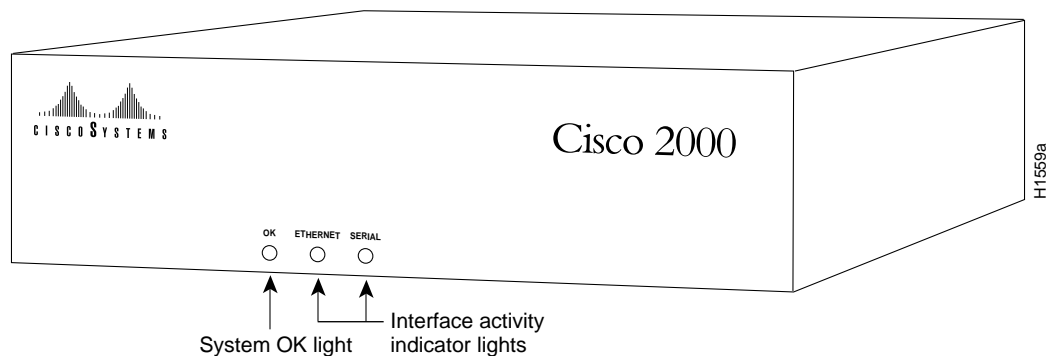


Figure 1-1 Router with Ethernet and Serial Interface Configuration Option

### Licensed Software Features

Licensed software features of the router are as follows.

#### LAN Protocols

- Internet Protocol (IP)
- Novell Internetwork Packet Exchange (IPX)
- AppleTalk Phase 1 and 2
- Transparent bridging

## IP Routing Protocols

- Interior Gateway Routing Protocol (IGRP)
- Routing Information Protocol (RIP)
- Open Shortest Path First (OSPF)

## WAN Protocols

- High-Level Data Link Control (HDLC)
- Point-to-Point Protocol (PPP)
- X.25 Transport
- Dial-on-demand routing (DDR)
- Frame Relay

## IBM Protocols

- Remote source-route bridging (RSRB)
  - IP encapsulation
  - Fast Sequenced Transport (FST/IP) encapsulation
  - Media Access Control (MAC) layer encapsulation
- Proxy explorer
- Local termination and Logical Link Control (LLC2) link-level support
- Systems Network Architecture (SNA) Local LU Address Prioritization
- Administrative filtering
- Network Basic Input/Output System (NetBIOS) name caching
- NetBIOS access control filtering

## Network Management

- Simple Network Management Protocol (SNMP)
- LAN Network Manager
- Standard and extended access lists for the supported protocols
  - IP and extended IP
  - Ethernet-type code and address
  - AppleTalk
  - Novell, extended Novell, and Novell Service Advertisement Protocol (SAP)

## System Specifications

Design specifications of the router follow:

- Fixed, two-port router platform
- 20-MHz Motorola 68EC030 microprocessor
- Light-emitting diodes (LEDs) that indicate network activity
- Dynamic random-access memory (DRAM) single in-line memory modules (SIMMs) for convenient router memory expansion

Table 1-1 lists the router system specifications.

**Table 1-1 System Specifications**

Description	Design Specifications
Dimensions W x D x H	13" x 14" x 4" (33 x 35.6 x 10 cm)
Weight	15 lb (6.8 kg)
Power	110/220 VAC at 50–60 Hz 55W (max.) 273 Btu/hr
Processor	Motorola 68EC030—20 MHz
Memory	1-MB RAM 32-KB nonvolatile configuration RAM
Network Interface Options	1 Token Ring and 1 synchronous serial or 1 Ethernet and 1 synchronous serial
Token Ring	802.5
Ethernet Interfaces	Ethernet (AUI) 802.3
Serial Interfaces	RS-232, RS-449, V.35, X.21, EIA-530
Console Port	RS-232 DB-25 female connector
Auxiliary Port	RS-232 DB-25 male connector
Operating Environment	32–104°F (0–40°C)
Nonoperating Temperature	-40–185°F (-40–85°C )
Operating Humidity	5–95%, noncondensing
Noise Level	40 dBa

