

Product Overview

The Cisco 1020 router connects small office Ethernet LANs to corporate networks through standard telephone dial-up or leased telephone lines. After being configured, the router will automatically route packets to and from remote destinations based on Internet Protocol (IP) or Internetwork Packet Exchange (IPX) addresses. The remote dial-up network routing connections can be on-demand, continuous, or manual.

Supported Protocols

The Cisco 1020 supports the following protocols:

- Internet Protocol (IP)
- Internet Packet Exchange (IPX)
- Sequenced Packet Exchange (SPX)
- Point-to-Point protocol (PPP)
- Serial Line Internet Protocol (SLIP)
- Compressed Serial Line IP (CSLIP)
- Password Authentication Protocol (PAP)
- Challenge Handshake Authentication Protocol (CHAP)
- Routing Information Protocol (RIP) for IP and IPX
- Address Resolution Protocol (ARP)
- (User Datagram Protocol) UDP
- Service Advertisement Protocol (SAP)
- Simple Network Management Protocol (SNMP)
- Trivial File Transfer Protocol (TFTP)
- Internet Control Message Protocol (ICMP)

Supported Interfaces and Connections

The Cisco 1020 has three ports for local and wide area network connections:

- 1 RJ-45 10BaseT port (Ether 0) for connection to your Ethernet network
- 1 RJ-45 Serial port (Console or Async 1) for configuration, or connecting an external modem
- 1 Type-2 PCMCIA modem slot (Async 2) for integrated modem connection

Administrative Configuration Options

The Cisco 1020 can be configured through the console port, from a personal computer (PC) serial port, standard ASCII terminal, or via telnet. Configuration options include:

- Full command line configuration
- Telnet login support for command line configuration
- All communications parameters configurable online
- Network downloadable software upgrades and configuration
- All dial-out connections may use a “chat script”
- Dynamic Routing on a per interface basis using RIP