

FlowPoint™ 144

IDS L Router



Your office will fly on the Internet with the FlowPoint™ 144 IDS L Router. The FlowPoint 144 is ideal for small businesses, remote offices, and telecommuters who are using ISDN Digital Subscriber Line (IDS L) for high-speed Internet access. It's perfect for high-bandwidth applications such as Web-based research or transport of large Email attachments. And because it is always on, you can say goodbye to dialup fees and busy signals.

Setting up the FlowPoint 144 is fast and easy with its Windows®-based Quick Start program. The FlowPoint router assigns network addresses to LAN-attached workstations without user intervention using the built-in Dynamic Host Configuration Protocol (DHCP) server. The IP address assignment is automatically handled through PPP or DHCP requests over the DSL link. FlowPoint™ Network Address Translation (NAT) allows the entire LAN to share one IP address and facilitates hosting of Web, FTP, and mail servers on the LAN. The FlowPoint 144 activates at speeds of 64, 128, and 144 Kbps depending on the Central Office equipment. Get your office flying on the Internet today with the FlowPoint 144.

KEY FEATURES:

- Symmetrical data rates of up to 144 Kbps
- Windows®-based GUI for easy installation and setup
- Bridging, IP/IPX routing, and MAC Encapsulated Routing (MER) to support a wide range of applications
- Built-in 4-port Ethernet LAN hub, single IDS L WAN port for quick setup in a small office
- Supports Adtran™, Cisco™, Copper Mountain™ Networks, Nokia™, and Pulsecom™ Central Office equipment
- Provides for long reach (greater than 35,000 feet)
- Works through Digital Loop Carriers
- DHCP automatically assigns and manages LAN IP addresses
- FlowPoint™ NAT allows multiple devices on your network to share a single WAN IP address or allows mapping of existing LAN IP addresses to a range of WAN IP addresses
- FlowPoint™ Secure VPN and Firewall option protects your data transfer across the Internet and prevents unwanted visitors from accessing your LAN
- Multi-user sharing via Ethernet LAN
- Worldwide customer support



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FlowPoint™
Cabletron Systems

FlowPoint™ 144



SOFTWARE

Routing

- TCP/IP with RIP1 (RFC 1058), RIP1-compatible and RIP2 (RFC 1389) or static routing on the LAN and/or WAN
- Novell® IPX with RIP/SAP (RFC 1552)
- DHCP server—Automatic assignment of IP address, mask, default gateway, and DNS servers addresses to workstations (RFC 2131, RFC 2132)
- DHCP relay agent (RFC 1542)
- DNS relay
- DHCP client (RFC 2132)

Bridging

- Transparent Bridging (IEEE 802.1D) including Spanning Tree Protocol (802.1D)
- Bridge filters

PPP (RFC 1661)

- Data compression of up to 4:1 (STAC™ LZS) (RFC 1974)
- Van Jacobson header compression (RFC 1144)
- Spoofing and filtering (IP-RIP, IPX-RIP, SAP, Watchdog, serialization)
- Automatic IP and DNS assignment (RFC 1877)

IP Address Translation

- Network renumbering (RFC 1631)
- Network Address Translation (NAT/PAT)
- LAN servers supported with FlowPoint™ NAT

Configuration Management

- Quick Start program for easy setup
- Microsoft® Windows configuration management via SNMP
- TFTP download/upload of new software, configuration files, and scripts
- Performance monitor
- Dynamic event and history logging
- Administration through SNMP, Telnet, or VT100 terminal
- Network boot uses the BootP server (RFC 2131, RFC 2132)
- Network ping

Frame Relay

- HDLC packet-based format link layer
- RFC 1490 (IP, Bridging, and Bridge Encapsulated Routing)
- RFC 1973 (PPP)

Security

- User authentication (PAP/CHAP) with PPP (RFC 1334, RFC 1994)
- Password control for Configuration Manager
- SNMP community name reassignment
- Telnet/SNMP port reassignment
- Telnet/SNMP access control list
- Optional FlowPoint™ Firewall
- Optional PPP link level DES encryption (RFC 1969)

VPN

- Optional FlowPoint™ Secure VPN software (L2TP/DES)

Protocol Interoperability Testing

- RFC 1483 (Bay Networks™, Cabletron™, Cisco™, Redback™)
- Central Office equipment vendors include Adtran™, Cisco™, Copper Mountain™, Nokia™, and Pulsecom™

HARDWARE

WAN Interface

- Data rates: 64, 128, 144 Kbps
- One ISDN Digital Subscriber Line (IDSL) interface (RJ-45)

LAN Interface

- Built-in 4-port Ethernet hub (4 RJ-45s)
- LAN speed of 10 Mbps

Serial Interface

- One RS232 asynchronous console port (RJ-45)

Modem Specifications

- 2B1Q modulation

Processor

- 25 Mhz Motorola® MC68EN360
- 1 MB Flash memory and 2 MB DRAM

Physical Specifications

- Dimensions: 8.4 W x 7.0 D x 1.7 H in (21.3 W x 17.8 D x 4.3 H cm)
- Weight: 1.5 lbs (.68 Kg)

Operating Environment

- Temperature: 40°F to 105°F (5°C to 40°C)
- Humidity: 20% to 80%, non-condensing

Power Requirements

- AC voltage: 100 to 120 VAC, 220 to 240 VAC
- Frequency: 50/60 Hz
- Power consumption: 10 W maximum
- Built-in power supply, On/Off switch

Agency Approvals

- Safety: UL 1950, CUL to CSA 22.2 No. 950
- Emissions: FCC Part 15 Class B
- Telecommunications: FCC Part 68, IC CS-03



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