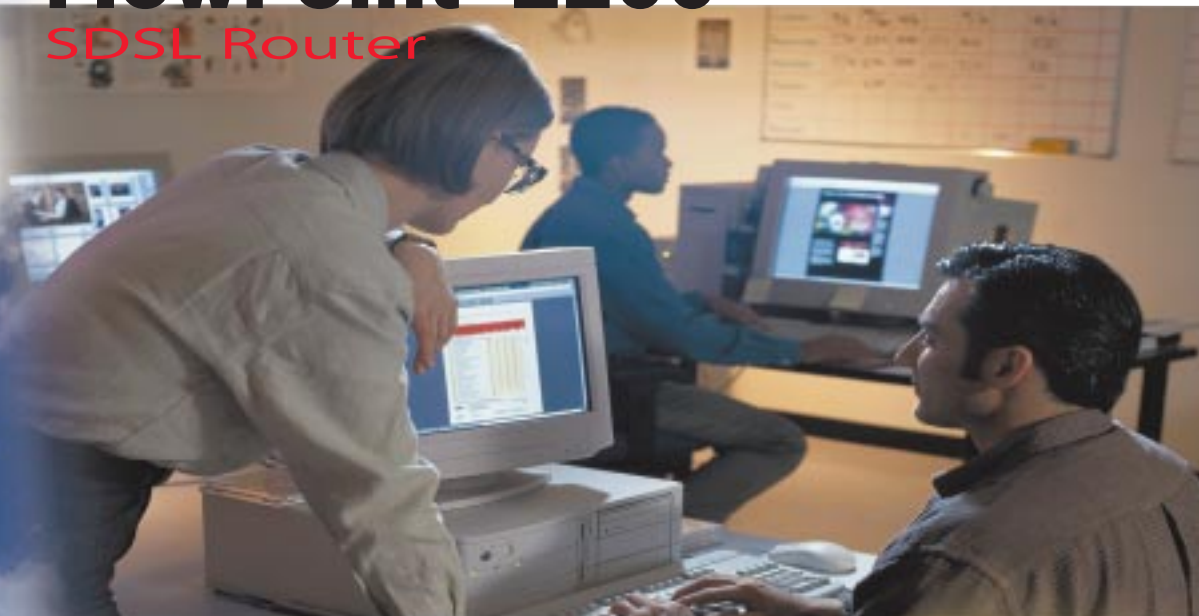


# FlowPoint™ 2200

## SDSL Router



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The FlowPoint™ 2200 SDSL router is ideal for small businesses, remote and branch offices, home offices, and telecommuters that require high-speed Internet and corporate access. It's perfect for high-speed Internet and Intranet applications such as Web-based research, video conferencing, network-gaming, and large Email attachments. And because it's always on, you can say goodbye to dialup fees and busy signals.

Setting up the FlowPoint 2200 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. The FlowPoint 2200 uses a fast 33 Mhz Motorola® MPC850 processor and has plenty of memory to support the FlowPoint™ Secure VPN and Firewall option. The Router activates at speeds ranging from 160 to 1568 Kbps depending on the distance and the equipment in the Central Office. Get your office flying on the Internet today with the FlowPoint 2200.

### KEY FEATURES:

- Symmetrical data rates ranging from 160 to 1568 Kbps depending on the distance and equipment in the Central Office
- Windows®-based GUI for easy installation and setup
- Bridging, IP/IPX routing, and MAC Encapsulated Routing (MER) to support a wide range of applications
- Support for Copper Mountain™ Networks, Interspeed™, Nokia™, Promatory™, and Pulsecom™ Central Office equipment. Refer to the FlowPoint™ Web site for correct model.
- Built-in 4-port Ethernet LAN hub, single SDSL WAN port for quick setup in a small office
- DHCP automatically assigns and manages LAN IP addresses
- FlowPoint™ Network Address Translation (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



[www.flowpoint.com](http://www.flowpoint.com)

**FlowPoint™**  
Cabletron Systems

# FlowPoint™ 2200



## 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 server 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 Encapsulated Routing)
- RFC 1973 (PPP)

### ATM

- Encapsulation (IP, Bridging, and Encapsulated Routing) (RFC 1483)
- PPP over ATM (LLC and VC multiplexing)(RFC 2364)
- Classical IP (RFC 1577)
- AAL5
- Up to 6 Virtual Circuits (VCs)
- Virtual Circuit (VC) traffic shaping (UBR, VBR, CBR)
- I.610 OAM F5 LoopBack

### 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™)
- PPP over ATM (Cisco™, Escalate™, Redback™) (RFC 2364)
- IP over HDLC (Interspeed™)
- Central Office equipment vendors include Copper Mountain™, Interspeed™, Nokia™, Promatry™, and Pulsecom™

## HARDWARE

### WAN Interface

- One Symmetrical Digital Subscriber Line (SDSL) 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

- Data rates ranging from 160 to 1568 Kbps
- 2B1Q modulation

### Processor

- 33 Mhz Motorola® MPC850
- 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

- CE mark
- Safety: UL 1950, CSA 22.2, EN60950
- Emissions: FCC Part 15 Class B, EN55022/CISPR22 Class B
- Immunity: EN50082-1
- Certifications: per relevant SDSL standards



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