



CopperRocket® 201 SDSL CPE

Today's proliferation of corporate intranets, teleworking, and Internet connectivity has led to explosive demand for remote access services. Until now, customers were caught between the poor performance and busy signals of analog dial-up and the expense of high-speed dedicated access. The CopperRocket 201 Symmetric Digital Subscriber Line (SDSL) customer premise equipment (CPE) from Copper Mountain Networks lifts remote users out of the world of ordinary dial-up access and into the next generation of high-performance, dedicated Internet and LAN access.

Key Benefits

- **Multi-speed DSL.** Symmetric transmission in several selectable speeds from 128 kbps to 1.5 Mbps on a single copper pair offers users a choice of bandwidth and budget options.
- **All digital, always-on networking.** DSL eliminates dialing and provides lower, more predictable telecommunications costs.
- **Broad service availability.** Interoperates with widely deployed CopperEdge® DSL concentrators and CopperView™ network management tools.
- **Prioritizes low-latency traffic.** Supports differentiated services such as Voice over DSL (VoDSL).
- **Remote troubleshooting.** Powerful remote diagnostics including Ethernet and DSL traffic statistics and bit error rate loopback tests ensure ease of management.
- **Truly plug-and-play.** There's no software to install and no hardware configuration necessary. This reduces service costs by eliminating installation visits to the customer premise. DSL users enjoy ZIP!™ (Zero Installation Procedures) initialization.
- **Transparent to network layers.** Works efficiently with IP, IPX, SNA, or legacy LAN protocols for smooth integration into any network.

The CopperRocket 201 SDSL CPE delivers dedicated, always-on connectivity, linking remote offices and teleworkers to private enterprise networks and the Internet. All-digital, continuously available networking eliminates dialing and provides lower, more predictable telecommunications costs.

DSL LAN Extension

Using SDSL and ordinary copper telephone wires, the CopperRocket 201 SDSL CPE provides dedicated, full-duplex throughput at high speeds. Critical network activities like file transfers, intranet access, and Internet access perform as if remote user workstations were directly attached to the network. Small offices, branch offices, and teleworkers greatly improve their productivity while obtaining more affordable and predictable telecommunications costs.

With Copper Mountain's CopperVPN™ and VWAN (Virtual Wide Area Networking) technologies, the CopperRocket transparently links remote users to the Internet and corporate information resources. The CopperRocket does not require complex routing administration.

CopperThrottle™ Multi-Speed DSL

CopperRocket's multi-speed DSL feature enables service providers to offer the right amount of bandwidth at the right price, plus the flexibility to alter DSL service speeds as customer needs change. As bandwidth needs grow, the service provider can remotely increase line speed to any of seven options from 128 kbps to 1.5 Mbps; no additional investment is necessary. It takes only seconds to configure new speeds and the CopperRocket immediately adapts to the new speed without end user hardware swap-outs or software upgrades.

Service Prioritization

Delay-sensitive IP traffic received from the LAN is prioritized for transmission on the DSL. This ensures that real-time applications like VoDSL receive priority. DSL supports tiers of service through low-latency traffic prioritization.

ZIP!—Zero Installation Procedures

The CopperRocket is truly plug-and-play. There are no hardware switches, no console port, no configuration parameters, and no end user software configuration required. Simply plug in the DSL jack, Ethernet cable, and power cord. With Copper Mountain's ZIP! feature, the CopperRocket identifies itself to the companion CopperEdge DSL concentrator and automatically downloads all configuration parameters to begin full operation immediately.

Workstations attached to the CopperRocket can have manually configured IP addresses or they may acquire IP addresses automatically from a DHCP server. The CopperRocket remains transparent to IP address assignment and management. When using DHCP, virtually all complexity is eliminated for end users. They enjoy enhanced productivity of continuous-availability, high-speed networking within minutes of powering up.

Back Panel



Specifications

SDSL Performance Rates and Reach

Equivalent Nx64 Data Rate (kbps)	Actual User Data Rate (kbps)	26 AWG Wire		24 AWG Wire	
		Feet*	Meters*	Feet*	Meters*
1,544	1,568	9,100	2,774	11,000	3,352
1,024	1,040	12,000	3,658	16,000	4,876
768	784	13,500	4,115	18,500	5,637
384	416	16,000	4,877	22,500	6,856
256	320	18,000	5,486	24,000	7,314
192	208	20,500	6,248	26,500	8,075
128	160	22,000	6,706	28,000	8,533

Network Management

- SNMP proxy management
- Remote software upgrade without user intervention
- Statistics on DSL and LAN accessible remotely from NOC

DSL Interface

- Standard RJ-11 jack

10BASE-T Ethernet (IEEE 802.3)†

- MDI / MDI-X connectors (RJ-45)

Regulatory

- FCC Class B / ICES-003 Class B
- UL Listed / cUL listed

Physical Dimensions

- Size (inches): 1.2 H x 5 W x 8 D (centimeters: 3 H x 12.7 W x 20.3 D)
- Mounting: desktop or wall-mount

Power Requirements

- AC Voltage: external DC adapter, 110 to 120 VAC, 60Hz
- Power: 6 watts maximum

Operating Environment

- Temperature: 50° to 104° F (10° to 40° C)
- Humidity: 5–95%, non-condensing
- Altitude: to 12,000 feet (4,000 meters)



* Distance from central office or multi-tenant unit. CopperEdge DSL concentrator, with no disturbers.
† When connected to an Ethernet switch, the switch must be configured to half-duplex.



Palo Alto
Worldwide Headquarters
1850 Embarcadero Road
Palo Alto, CA 94303 USA
Tel: +1.650.687.3300
Fax: +1.650.687.3372

San Diego
10145 Pacific Heights Blvd.
Suite 100
San Diego, CA 92121 USA
Tel: +1.858.410.7100
Fax: +1.858.410.7279

Fremont
46535 Fremont Blvd.
Fremont, CA 94538 USA
Tel: +1.510.897.8600
Fax: +1.510.897.8601

The Netherlands
Europe Headquarters
Beechavenue 54-80
1119 PW Schiphol-Rijk
The Netherlands
Tel: +31.206.586.920
Fax: +31.206.586.922

Singapore
Asia Headquarters
391A Orchard Road
#13-08, Ngee Ann City Tower A
Singapore 238873
Tel: +65.838.5260
Fax: +65.734.3412

Copper Mountain is ISO 9001 certified by:



To learn more about Copper Mountain (Nasdaq: CMTN) products and services, visit our World Wide Web site at <http://www.coppermountain.com>, call your regional headquarters office, or send an email to sales@coppermountain.com. For investor relations information, call +1.858.410.7100 or send an email to IR@coppermountain.com.

Copper Mountain, the Copper Mountain logo, and all Copper Mountain product names are trademarks of Copper Mountain Networks, Inc. Other brand and product names are trademarks of their respective holders. All specifications are subject to change without notice.