



Z H O N E

24-Port SHDSL IP DSLAM

4274, 4279

- ✓ *Compact 1U 24-port form factor with universal mounting brackets. Temperature hardened and DC powered.*
- ✓ *G.SHDSL provides symmetric bandwidths*
- ✓ *Multiple pair bonding to gain speeds greater than 10Mbps*
- ✓ *IEEE 802.1p priorities to ensure proper handling of priority traffic*
- ✓ *IEEE 802.1Q VLAN for segregation of traffic for different business applications*
- ✓ *Various uplink options - 10/100/1000baseT, GigE fiber, T1 or E1 MLPPP*
- ✓ *Easily managed using Web interface, CLI, Telnet, or SNMP*

Environmentally Hardened, DC Powered Mini DSLAM Enables Business Class Metro Ethernet Services over Copper from Remote Cabinets or Central Office Sites

The 4200IP with G.SHDSL lets the service provider deliver high speed symmetric bandwidth to customers in locations where fiber access is not available or as an alternative to T1/E1 line provisioning. This capability makes the 4200IP with G.SHDSL the solution for deployment of high bandwidth business class services to those customers that would otherwise be limited to lower bandwidth T1/E1 line speeds.

The 4200IP with G.SHDSL provides all the features required to ensure a quality business class service offering. Transparent LAN Services and VoIP are easily deployed using the extensive IEEE 802.1q VLAN capabilities along with the 802.1p prioritization capabilities. These features ensure that the service provider can easily segregate traffic by either traffic class or service type.

The temperature-hardened 4200IP DSLAM can be deployed in remote cabinets where space is at a premium and temperatures exceed typical central office environments. Mounting brackets and lightning protection allows for installation of the 4200IP in many different types of remote cabinets.

Technical Specifications

Dimensions

- 1.75" (4.4cm) high x 17.2" wide x 11.8" (300mm) depth

Weight

- 14 lbs.

Power

- Power Input: -48VDC & -60VDC, Redundant power feeds & fuses
- Power Consumption: 36 Watts (typical)

Interfaces

- DSL: Front 50-pin connector for local loop
- Uplink: Gigabit Ethernet (copper and optional Fiber), 10/100BaseT Ethernet, 8xT1/E1 MLPPP
- Management: Serial craft Interface, Alarm Relay connections (input/output)

Standards Support

- ITU G.991.2 (SHDSL)
- ITU G.994.1 (G.handshake)
- ITU G.997.1 (physical layer management)

Protocol Support

- RFC1483/2684 Bridged Encapsulation
- IEEE 802.1Q VLAN
- IEEE 802.1p Priority Output Queuing
- IGMP v2
- MAC Address filtering
- Host Address filtering

Management

- SNMP
- Embedded WEB Server
- Telnet, CLI
- GrandVIEW EMS

Bandwidth/Distance

- Up to 5.7 Mbps on a single copper pair
- Supports M-pair bonding (M = 1-4)

Regulatory Compliance

- Spectral and Electrical Compliance Standards:
- ANSI T1.413, ANSI T1.417, UK ANFRP
- ETSI TR101 830-1
- NEBS, UL1950, C22.2 No. 950-95, FCC Part 15, EN60950, ENSS022, CISPR22, VCCI

Operating Requirements

- Operating Temperature: -40C to 65C
- Storage Temperature: -40C to 80C
- Relative Humidity: 5% to 95%

Ordering Information

4274-A1-520	24 port SHDSL, 8 Port T1 MLPPP Uplink, DC Power, No Splitters
4274-A1-522	24 port SHDSL, 8 Port E1 MLPPP Uplink, DC Power, No Splitters
4279-A2-520	24 port SHDSL, GigE Uplink, No Splitters, DC power



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