

24-Port SHDSL IP DSLAM

4274, 4279



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

Overview

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.

Features

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

Benefits

High-performance feature set for business applications

Interoperable with industry standard G.SHDSL CPE

Supports up to 5.7Mbps on a single pair

Supports multiple pair bonding for increased bandwidth

Environmentally hardened to allow for use in remote cabinets with no additional cooling required

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