

24-Port SHDSL IP DSLAM

2671, 2674



AC Powered IP Mini DSLAM; Enables Business-class Broadband Deployments From Central Office Sites or In-building Applications

Overview

The 2600 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 2600 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 2600 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 AC powered 2600 DSLAM is easily deployed in central office, campus, or in-building environments such as hotel/motel, condominiums, apartments, and dormitories.

Features

Compact 1U 24-port form factor with universal mounting brackets and AC power

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

Specifications

Dimensions

1.75" (4.4cm) high x 17.2" wide x 14.2" depth

Power

Power Input: 90-265 V AC, 47-63 Hz
Power Consumption: xx 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
UL1950, C22.2 No. 950-95, FCC Part 15, EN60950, ENSS022, CISPR22, VCCI

Operating Requirements

Operating Temperature: -40C to 55C
Storage Temperature: -40C to 80C
Relative Humidity: 5% to 95%

Ordering Information

2671-A2-420 24p G.SHDSL, GigE Uplink, AC, N.A. power cord
2671-A2-424 24p G.SHDSL, GigE Uplink, AC, UK power cord
2671-A2-425 24p G.SHDSL, GigE Uplink, AC, EURO power cord
2674-A2-420 24p G.SHDSL, T1 MLPPP Uplink, AC, N. A. Power Cord
2674-A2-422 24p G.SHDSL, E1 MLPPP Uplink, AC, Euro Power Cord