24-Port ADSL2+ IP DSLAM
2611, 2614, 2621, 2624, 2631

AC Powered IP Mini DSLAM with Internal POTS Splitters; Enables IP Video Deployments from Central Office Sites or In-building Applications

Overview

The 2600 DSLAM products are feature-rich, providing all the critical functions required to deliver any application including IP video, IP voice, and HSIA data simultaneously while maintaining the specified quality of service.

The 2600 DSLAM family supports triple-play services using ADSL2+, ReachDSL™, and G.SHDSL technologies. IP network connections are provided using 10/100/1000BaseT, GigE fiber or T1/E1 MLPPP uplinks.

The 2600 DSLAM combines IP multicast and IP prioritization capabilities with the latest ADSL2+ bandwidth to deliver a minimum of three IP video streams to the customer premises with the protocol support required to deliver it effeciently with superior quality. The 2600 ensures a successful video deployment for the service provider by adding features such as IGMP Snooping and IGMP Proxy for reduced network traffic and quick, crisp channel changes.

When long loop lengths or impairment anomalies that adversely affect other technologies are encountered, the 2600 DSLAM with ReachDSL provides trouble-free installation and expands DSL coverage beyond the normal range.

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
- Available with integrated POTS Splitters
- IGMP Snooping and IGMP Proxy
- IEEE 802.1p prioritization for voice, video and data applications
- IEEE 802.1Q VLAN

- ADSL2+ (Annex A, Annex B) for high bandwidth applications
- SELT and DELT support for loop testing and qualification
- Annex M for symmetric support up to 3Mbps
- ReachDSL for expanded coverage area
- Web, CLI, Telnet Management Interfaces

Benefits

- Stackable configuration with flexible mounting options allows for lower initial investment and ease of deployment and expansion
- Space saving 1U rack size can accomodate internal POTS Splitters to maximize use of Central Office or In-building space

- High-speed IP Voice, IP Video and Data services supported with up to 28 Mpbs utilizing ADSL2+ technology
- Interoperable with standards based CPE
- ReachDSL provides trouble-free customer installation and expanded coverage

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 & POTS: Front 50-pin connectors for local loop and voice switch connections
Uplink: Gigabit Ethernet (copper and optional Fiber), 10/100BaseT Ethernet, 8xT1/E1 MLPPP
Management: Serial craft Interfaces, Alarm Relay connections (input/output)

Standards Support
Supports on a port-by-port basis:
ANSI T1.413 Issue 2
G.994.1 (G.handshake)
G.997.1 (physical layer management)
G.992.1 (full-rate G.dmt)
G.992.2 (G.lite)
G.992.3 (ADSL2) Annex A, B, L, M
G.992.5 (ADSL2+) Annex A, B, M

ATM Specifications: 8 VCs per DSL port

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 28 Mbps (ADSL2+)
ReachDSL provides guaranteed 256 Kbps data rate at a distance of 18,000 feet

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

2611-A2-420	24p ReachDSL, GigE Uplink, No Splitters
2611-A2-424	24p ReachDSL, GigE Uplink, No Splitters, UK Pwr Cord
2611-A2-425	24p ReachDSL, GigE Uplink, No Splitters, Euro Pwr Cord
2611-A2-430	24p ReachDSL, GigE Uplink, w/Internal Splitters
2611-A2-434	24p ReachDSL, GigE Uplink, w/Internal 600ohm Splitter, UK Pwr Cord
2611-A2-435	24p ReachDSL, GigE Uplink, w/Internal 600ohm Splitter, Euro Pwr
2611-A2-436	24p ReachDSL, GigE Uplink, w/Internal 600ohm Splitter, India Pwr
2614-A1-420	24p ReachDSL, T1 MLPPP, No Splitters
2614-A1-422	24p ReachDSL, E1 MLPPP, No Splitters
2621-A3-420	24p ADSL2+, GigE Uplink, No Splitters, N.A. power cord
2621-A3-424	24p ADSL2+, GigE Uplink, No Splitters, UK power cord
2621-A3-425	24p ADSL2+, GigE Uplink, No Splitters, EURO power cord
2621-A3-430	24p ADSL2+, GigE Uplink, w/Internal Splitters
2621-A3-433	24p ADSL2+, GigE Uplink, w/Internal Splitters, Japan Pwr Cord
2621-A3-434	24p ADSL2+, GigE Uplink, w/Internal 600ohm Splitters,UK Pwr Cord
2621-A3-435	24p ADSL2+, GigE Uplink, w/Internal 600ohm Splitters,Euro Pwr Cord
2621-A3-436	24p ADSL2+, GigE Uplink, w/Internal 600ohm Splitters,India Pwr
2624-A1-420	24p ADSL2+, T1 MLPPP, No Splitters

2624-A1-422	24p ADSL2+, E1 MLPPP, No Splitters
2631-A3-425	24p ADSL2+ Annex B, GigE Uplink, No Splitters, EURO power cord
2631-A3-435	24p ADSL2+ Annex B, GigE Uplink, w/ISDN Splitters, EURO power cord