

4800 Express IP DSLAM
4821-A2-xxx

AC Powered IP Mini DSLAM with 10/100BaseT Uplink; Enables Cost Effective HSIA & VoIP applications for In-building and Campus Deployments

Overview

Optimized for the Hospitality, MxU and Campus environment, the BitStorm 4800 and BitStorm 4800 Express platforms provide cost-effective, robust, secure access networks for hotels, timeshares, apartment buildings, condos, dormitories, hospitals, and other campus deployments

The BitStorm 4800 Express product is ideal for deployment of cost-effective High Speed Internet Access (HSIA) service. The BitStorm 4800 Express is an ADSL solution that provides robust, secure HSIA in a very affordable package that uses the existing in-building twisted-pair wiring, assuring rapid and cost-effective deployment.

Features

- Compact 1U 24-port/48-port form factor with universal mounting brackets and AC power
- IEEE 802.1p prioritization for voice and data applications
- IEEE 802.1Q VLAN
- ADSL for robust cost-effective high bandwidth applications
- Web, CLI, Telnet Management Interfaces
- Supports plug 'n' play CPE and customer self-installation processes
- Fully compliant with industry standard ADSL POTS splitters

Benefits

- Cost effective delivery of High Speed Internet Access and VoIP services
- Interoperable with low cost standard ADSL CPE
- Seamless operation in IP Networks using Ethernet connectivity for aggregation
- Carrier-class management and unmatched reliability
- Delivers necessary service offerings for the in-building markets
- Integrates with popular Visitor Based Network (VBN) solutions

Specifications

Dimensions

1.75in (4.4 cm or 1U) H x 17.2in (43.7 cm) W x 16.3 (41.4 cm) D
Fits in 19" or 23" racks

Weight

10.7/11.2 lbs

Power

Power Requirements: 90 – 265 VAC. 47 – 63Hz.
Power Consumption: 26/40 watts

Interfaces

LEDs (Alarm, Test and Port Status)
Alarm Relay contact
WAN Interface - 10/100 Base-T
Management - 10/100Base-T
Modem port (craft interface) - EIA-232 (DB9)
Console port (craft interface) - EIA-232 (DB9)
50-pin AMP connectors (2) for local loop
Power connector - IEC60320 standard recessed AC plug 3-prong receptacle

Standards Support

ANSI T1.413i2, G.992.1 (Annex A), G.992.2
IEEE 802.1D Bridging
IEEE 802.1Q VLAN tagging
IEEE 802.3u Fast Ethernet, 100 Base-T Standard, 1995.
RFC 791 Internet Protocol
RFC 792 Internet Control Management Protocol
RFC 793 Transmission Control Protocol
RFC 854 Telnet Protocol Specification
RFC 959 File Transfer Protocol
RFC 2616 Hyper Text Transfer Protocol, HTTP/1.1
RFC 2684 Multiprotocol Encapsulation over AAL5
RFC 2878 Network Control Protocol

Protocol Support

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

Management

Telnet, CLI, HTTP, SNMP
MIBs Supported:
RFC1213 MIB-II
RFC1471 Link Control Protocol MIB
RFC1493 Bridge MIB
RFC1659 RS-232-like MIB
RFC1907 SNMPv2 MIB
RFC2011 SNMPv2 IP MIB
RFC2096 IP Forwarding Table MIB
RFC2515 ATM MIB
RFC2662 ADSL MIB
RFC2665 Ethernet-like Interface MIB
RFC2668 IEEE 802.3 MAU MIB
RFC2674 Traffic Classes MIB for Bridges
RFC2737 Entity MIB (Version 2)
RFC2863 The Interfaces Group MIB

Bandwidth/Distance

Simultaneous voice & high-speed data up to 8 Mbps downstream, 1024 Kbps upstream

Actual rates vary by loop length and quality
Rates also dependent on endpoint capabilities

Regulatory Compliance

EN55022 (1998) (CISPR22),
VCCI Class A, AS/NZS 3548 Class A
ICES-003
EN 61000-3-2 and EN 61000-3-3
FCC CFR 47, Part 68
EN60950
UL1950
CSA C22.2 No. 950-95
Canada CS-03

Operating Requirements

Operating Temperature: 0° – 50° C
Storage Temperature: – 40°C to 80°C
Relative Humidity: 15 – 95%

Ordering Information

4821-A2-427	24 Port ADSL, 10/100 BaseT, AC Power, N.A. cord
4821-A2-428	24 Port ADSL, 10/100 BaseT, AC Power, UK cord
4821-A2-429	24 Port ADSL, 10/100 BaseT, AC Power, EURO cord
4821-A2-447	48 Port ADSL, 10/100 BaseT, AC Power, N.A. cord
4821-A2-448	48 Port ADSL, 10/100 BaseT, AC Power, UK cord
4821-A2-449	48 Port ADSL, 10/100 BaseT, AC Power, EURO cord



For additional information on this or any Paradyne product or service, contact the office nearest you or dial 1.800.727.2396 (USA and Canada) or 1.727.530.8623; fax 1.727.530.8216. For international locations, visit the Paradyne web site at <http://www.paradyne.com>