

## 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