PARADYNE

Product Data Sheet

4800 ADSL IP DSLAM

4821-A1-xxx

AC Powered IP Mini DSLAM with dual 10/100/1000BaseT Uplinks; Enables Cost Effective HSIA & Video on Demand applications for In-building and Campus Delpoyments

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 product answers the need for economical high-speed services that combine HSIA with Video on Demand with robust support of industry-standard ADSL technology. A true high-performance architecture combined with dual gigabit Ethernet interfaces provides bandwidth for the efficient delivery of video on demand streams, yet is compatible with low-cost, widely available ADSL modems and deployable over existing telephone wiring.

Features

- Compact 1U 24-port/48-port form factor with universal mounting brackets and AC power
- Gigabit Ethernet Uplink and Downlink Interfaces: CAT5 or Fiber using SFP modules
- Gigabit switch fabric
- 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 Video on Demand 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 all necessary service offerings for the in-building markets
- Integrates with popular Visitor Based Network (VBN) solutions

Specifications

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

Weight
10.7/11.2 lbs

Power
Power Requirements: 90 – 265 VAC. 47 – 63Hz.
Power Consumption: 95 watts (48 port unit)

Interfaces
Alarm Relay contact
WAN Interface (2) – MSA SFP GigE Option Modules
Alternate WAN Interface (2) -10/100/1000Base-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, 100Base-T Standard,1995
IEEE 802.3z 1000Base-X
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 1332 PPP Internet Protocol Control Protocol
RFC 1661 Point-to-Point Protocol (PPP)
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
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
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: 32° F to 122° F (0° C to 50° C)
Storage Temperature: -40° F to 176° F (-40°C to 80°C)
Relative Humidity: 15 to 95%

Ordering Information

4821-A1-422	24-Port ADSL w/2 GigE, AC, N.A. Power Cord
4821-A1-424	24-Port ADSL w/2 GigE, AC, UK Power Cord
4821-A1-425	24-Port ADSL w/2 GigE, AC, EURO Power Cord
4821-A1-442	48-Port ADSL w/2 GigE, AC, N.A. Power Cord
4821-A1-444	48-Port ADSL w/2 GigE, AC, UK Power Cord
4821-A1-445	48-Port ADSL w/2 GigE, AC, EURO Power Cord

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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