



Network Extender
Technologies

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ADSL MicroDSLAM

μD8000-12, μD8000-12B

Feature-rich ADSL MicroDSLAM enables IP video from the Remote Terminal/Street Cabinet



Overview

Net to Net Technologies' ADSL MicroDSLAMs are the industry's first Ethernet-based IP DSLAMs that are environmentally hardened and small enough to fit in even the most crowded Remote Terminals/Street Cabinets. The MicroDSLAMs are the newest addition to Net to Net's Ethernet-based DSL product family and are extremely feature rich, including IGMP snooping for IP Video support, SNMP Management, IP QoS, and up to 10.5 Mbps downstream bandwidth available on every port. Front loading, hot-swappable uplink options include T1/E1, 100BaseFX, and 10/100 Ethernet for easy integration with other network elements as well as providing easy upgrades as bandwidth requirements increase.

This ADSL Access Multiplexer will interoperate with any industry standard ADSL or G.Lite modem over the local loop while still preserving the benefits of a packet based architecture. Simultaneous voice and data support allows providers to take advantage of line sharing agreements and further reduces the cost of deploying residential DSL services. ADSL is an ideal voice and data solution for residential use, supporting data and POTS or ISDN voice service over a single copper pair. By maintaining lifeline POTS, the voice connection is never terminated in the event of power loss.

ADSL provides the high-speed downstream bandwidth required to deliver IP video from the remote terminal. Net to Net's ADSL MicroDSLAM supports the ADSL S=1/2 setting, allowing for up to 10.5 Mbps downstream at distances up to 10,000 feet from the Central Office or Remote Terminal/Street Cabinet. This high speed bandwidth allows telcos to deliver the triple play of IP services: voice, video, and data.

Features

- Only 1.75" H x 8.5" W x 11.5" D (4.4cm H x 21.6cm W x 29.2cm D) - small enough to fit in any remote terminal
- 12 ports of ADSL (supports G.lite, G.992.1 and G.992.2, T1.413, Alcatel, and S=1/2)
- Modular, hot swappable backhaul using T1/E1 and/or 100BaseFX or 10/100 Ethernet
- Environmentally Hardened for remote deployment
- Built-in POTS/ISDN Voice splitter with country variants minimizes space requirements
- DSL the Easy Way™ Architecture provides plug-and-play auto-configuration and operation without the need to configure PVCs
- Embedded web-based management system for easy, platform-independent management
- SNMP manageable for easy integration into existing management platforms
- IGMP Snooping for Multicast Video support

Specifications

Dimensions

1.75" H x 8.5" W x 11.5" D (4.4cm H x 21.6cm W x 29.2cm D)

Weight

2.5 lbs. (1.1 kg)

Power

DC: Dual -48 Volt DC terminal blocks

Consumption: < 1.5 Amps

AC: Requires separate AC power supply (sold separately)

Interfaces

12 ADSL ports (RJ-21; G.lite, G.DMT, T1.413, Alcatel, S=1/2)

1 Micro Interface Module (MIM) (modular)

1 RJ-45 10/100 Ethernet for web-based management or optional uplink

1 RJ-45 COM port for RS-232 serial management connection

Standards Support

IEEE 802.3

IEEE 802.1p CoS

IEEE 802.1Q VLAN

IGMP Snooping - supports IGMPv 1 and IGMPv2

Bandwidth/Distance

Bandwidth: up to 10.5 Mbps downstream x 1 Mbps upstream

Distance: up to 18,000 feet/7,500m (lower speeds will be achieved at greater distances)

Regulatory Compliance

NEBS: GR-63-CORE, GR-1089-CORE

EMC: FCC Part 15; CSA C108.8; EN55022; EN55024, CE Marking

Safety: UL1950, CSA C22.2 No. 950, EN60950, IEC950, CE Marking

Operating Requirements

Temperature: -40°F to 149°F (-40°C to 65°C)

Non-operating temperature: -40°F to 158°F (-40°C to 70°C)

Humidity: 5% to 95%, non-condensing

Altitude: -200ft to 16,600ft (-60m to 5,000m)

Ordering Information

AμD8000-12	12-port ADSL MicroDSLAM; Annexes A,C, and H; includes 600 OHM POTS splitter
AμD8000-12B	12-port ADSL MicroDSLAM; Annex B ISDN Voice support; includes 4B3T ISDN splitter
AμD8000Q-12B	12-port ADSL MicroDSLAM; Annex B ISDN Voice support; includes 2B1Q ISDN splitter
AuDRMT-19	19" Rack mount tray with securing bracket for the ADSL MicroDSLAMs; holds 2 units
AuDDMB-1	Door mount bracket for the ADSL MicroDSLAMs; holds 1 unit
See the ADSL Splitters and Microfilters page for more information.	

