24 Port ReachDSL+ Module
8375-B1-000, 8975-B1-000

Overview

With Paradyne's new ReachDSL+ module, service providers can guarantee high speed access to all subscribers from a single module. The new ReachDSL+ module marries the best of both worlds - standard ADSL technology with ReachDSL 2.2 technology. Combining the new ReachDSL+ module with ReachDSL+ CPE provides the most robust high speed internet access solution in the industry.

ReachDSL has always been a great complement to standard ADSL deployments, allowing service providers to greatly increase their addressable service area. Now that ReachDSL and ADSL are available on a single module, the decision on which technology to deploy is not necessary. One module for all high speed internet access services.

ReachDSL - A Low Frequency Solution

With nearly 500,000 ports installed worldwide, ReachDSL is a technology that many ILECs and PTTs around the globe are using to complement their ADSL deployment strategy to extend coverage to the maximum number of subscribers. Using the lower portion of the frequency spectrum, ReachDSL provides simultaneous POTS (Plain Old Telephone Service) and broadband data services over even the worst loop plant and premises wiring. ReachDSL easily delivers reliable high-speed services on unloaded or misloaded loops to customers that no other DSL technology can reach, with data rates up to 2.2 Mbps downstream and 2.0 Mbps upstream. Misloaded loops refers to circuits where a single load coil exists and it is not cost effective to have it removed. ReachDSL provides the only performance guarantee in the industry, with a guaranteed 256 Kbps rate at a distance of 18,000 feet. However, distances of over 60,000 feet (18 km) have been attained with ReachDSL products without the use of repeaters or amplifiers.

Features

- 24 port ReachDSL+ module supports high speed access over the POTS band

- ADSL or ReachDSL selectable on a port by port basis

- Supports Asymmetric and Symmetric operation from a single module

- Demonstrated performance at greater than 60,000 feet (18.2km) without repeaters

- Interoperable with standard ADSL or ADSL/R CPE

- Meets T1.413, ETSI TR101 830-1, and Oftel's ANFP for spectral compatibility

Benefits

- Automatically selects which technology works best for a given loop

- Available for SCM and SCP based systems

- Doubles ADSL density for existing SCM (GranDSLAM) systems

- Excellent coverage on all unloaded and misloaded loops

- Supports plug-and-play CPE and customer self-installation processes

- Reaches all customers and provides greater revenue potential without loop-plant modifications

Specifications

Dimensions
11.5 in. H x 0.8 in. W x 10.4 in. D
(28.32 cm H x 2.03 cm W x 26.42 cm D)

Weight
2.0 lbs. (0.9 kg)

Interfaces
50 PIN Amphenol on rear of 8820 or 8620 chassis

Standards Support
G.992.1 (full-rate G.dmt)
G.992.2 (G.lite)
ANSI T1.413, Issue 2
G.994.1 (Handshake protocol)
G.997.1 (physical layer management)

Management
CLI and web-based UI
SNMP V1, V2, V3
ADSL MIB (RFC2662)
ADSL extension MIB
MIB-II (RFC1213, RFC1573)
ATM MIB (RFC2515)
M4 MIB (ATM Forum SNMP M4 Network Element View)
Paradyne Enterprise MIB

Bandwidth/Distance
ReachDSL operation - 32 kbps to 2.2 Mbps (downstream) or 32 kbps to 2.0 Mbps (upstream) in 32k increments (Symmetric or Asymmetric configuration)
ADSL operation - 12 Mbps downstream and 1 Mbps upstream

Regulatory Compliance
NEBS, UL1950, C22.2 No. 950-95, FCC Part 15, EN60950, EN55022, CISPR22, VCCI
Spectral Compliance: UK ANFP, ANSI T1.417-2001, T1.413, ETSI TR101 830-1

Operating Requirements
Operating temperature: -40C to 65C
Storage temperature: -40C to 70C
Relative humidity: 5% to 95% non-condensing

Ordering Information

8375-B1-000	ReachDSL+ 24 port module for operation with SCM based systems
8975-B1-000	ReachDSL+ 24 port module for operation with SCP based systems