

## 48 Port ADSL2+ Module

8968

### Overview

The 8968 ADSL2+ line card supports the latest ADSL technology available in the industry, allowing speeds up to 29 Mbps per loop. The 8968 line card supports 48 ports of industry-standard ADSL, G.lite, and ADSL2+ on a single line card.

Following the latest ADSL standards, the Paradyne 8968 line card offers longer reach and higher bit rates than standard ADSL in an ultra-high-density 48 port card. The 8968 line card is supported in both the 8820 and 8620 BLCs (Broadband Loop Carriers). Having 48 ports of ADSL2+ per card combines extremely high density with the capability of supporting the high-bandwidth triple play of voice, video, and data.

The 8968 module allows simultaneous triple play applications and POTS (Plain Old Telephone Service) on the same copper loop. This lets the service provider use a single copper loop to efficiently and economically deploy multiple revenue-producing services to the end user. The powerful 8968 module has been engineered so that each line card supports multiple traffic types to be processed simultaneously by the next generation switch fabric. Quality of Service and traffic prioritization capabilities ensure that delay-sensitive and premium traffic types are handled first, while those applications with lower QoS are handled as bandwidth is available. Traffic from all line cards in the BLC is aggregated over an ATM or IP uplink so that backbone carrier costs are kept to a minimum while ensuring maximum flexibility.

### Features

- Ultra-high-density 48 port card provides highest port count per rack unit
- Multiservices ADSL2+ card supports G.Lite, ADSL, ADSL2, and ADSL2+
- High speed ADSL2+ module supports speeds to 29 Mbps
- Supported in both 8820 and 8620 systems
- ADSL2+ Annex M: Symmetric services up to 2.7 Mbps in one copper pair using standard CPEs
- SELT and DELT support for loop testing and qualification
- Annex A and Annex B versions available

### Benefits

- Enables video, high speed data, derived voice and VPN applications
- Improved rate / reach over standard ADSL implementations
- Interoperable with Paradyne or any standards-based CPE

## Specifications

### Dimensions

11.15 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

3.0 lbs

### Interfaces

Two Standard Amphenol (50 pin) connectors on front of module

### Standards Support

Supports on a port-by-port basis:

ANSI T1.413 Issue 2

G.994.1 (G.handshake)

G.997.1 (physical layer management)

G.992.1 (full-rate G.dmt)

G.992.2 (G.lite)

G.992.3 (ADSL2) Annex A, B, L, M

G.992.5 (ADSL2+) Annex A, B, M

### Management

CLI, 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

Transmission Speed

ADSL asymmetrical maximum rates: 29.2 Mbps downstream and 2.7 Mbps upstream

Speeds are auto rate or selectable

### Regulatory Compliance

NEBS (GR-1089-CORE, GR-63-CORE), FCC Part 15 Class A, EN 55022 Class A, UL, CSA (60950), Industry Canada (CS-03), CE Mark (EN 300 386-2, EN 60950)

### Operating Requirements

Operating temperature: -40C to 65C

Storage temperature: -40C to 70C

Relative humidity: 5% to 95% non-condensing

## Ordering Information

8968-B1-000

ADSL2+ 48PORT LINE CARD



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>