24 Port ADSL2+ Module
8965

Overview

The 8965 ADSL2+ module supports the latest ADSL technology available in the industry, allowing speeds up to 29 Mbs per loop. The 8965 module supports 24 ports of industry-standard G.Lite, ADSL, ADSL2, and ADSL2+ on a single line card. Following the latest ADSL standards, the Paradyne 8965 module offers longer reach and higher bit rates than standard ADSL.

The 8965 module is supported in both the 8820 and 8620 BLCs (Broadband Loop Carriers). Having 24 ports of ADSL2+ per card combines high density with the capability of supporting the high-bandwidth triple play of voice, video, and data.

The 8965 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 8965 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

- Multiservices ADSL2+ card supports G.Lite, ADSL, ADSL2, and ADSL2+

- High speed ADSL2+ module supports speeds to 29Mb

- Supported in both 8820 and 8620 systems

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

- ADSL2+ Annex M: Symmetrical services up to 2.7 Mbps in one copper pair using standard CPEs

- SELT and DELT support for loop testing and qualification

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
2.0 lbs. (0.9 kg)

Interfaces
50 pin Amphenol on rear of 8820 or 8620 chassis

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

8965-B1-000	ADSL2+ ATM 24 Ports Line Card