

2-wire, 4-wire G.SHDSL Router

1740-A1-400, 1740-A1-401, 1740-A1-402, 1740-A1-404, 1740-A1-405, 1740-A1-406

Bonded G.SHDSL Router, Speeds up to 4.6 Meg

Overview

The Paradyne 1740 SHDSL Router is an ideal device for support of DSL termination for both home offices and small to medium businesses. It offers a rich set of features that provide high performance, easy local and remote management, and outstanding LAN and WAN networking flexibility.

The 1740 SHDSL Router supports G.991.2 and interoperates with Paradyne's BLC 8820, BitStorm 2600 and 4200IP. In addition to operating as a CPE the 1740 can also operate in a back to back mode. This enables the CPE to be at each end of the DSL link to bring service across a campus or in a point-to-point configuration for smaller deployments.

Features

- Configurable for 4-Wire or 2-Wire G.SHDSL operation
- Terminates up to 16 ATM VC connections
- Supports UBR, VBR and CBR classes of service
- PPPoE support
- DHCP/NAT support
- RIP v1/v2
- Multiple Ethernet Ports
- Configurable client and server operation allows back-back operation

Benefits

- Automatic rate adaptation adjusts for optimal performance
- Remote software downloads for no-truck-roll upgrades
- 4-Wire operation for higher bandwidth symmetric services
- Flexible deployment options allowing back-to-back operation or connection with Paradyne's 1U SHDSL DSLAMs and SHDSL line cards in the 8820 BLC

Specifications

Dimensions

8.1 in.(205mm)W x 1.9in.(47mm)H x 5.7in.(145mm)D

Power

100-240v, 50-60Hz universal power, with country-specific plugs based on model

Interfaces

G.SHDSL - Single RJ48 supporting 2/4 wire
LAN - Four port IEEE 802.3 10/100BaseT/TX with switching
Console - RS232 via DB9

Standards Support

ITU-T G.991.2/G.994.1 (G.SHDSL)
TC-PAM encoding
RFC 2684, RFC 1483 (Multi-protocol over AAL5)
RFC 2516 (PPP over Ethernet)
RFC 2364 (PPP over AAL5)
ATM UNI 3.1/4.0
OAM F4/F5

Protocol Support

Transparent, learning bridge
VLAN
NAT/PAT
RIPv1, RIPv2, static routing
DHCP Server, Relay and DNS Proxy
IGMP proxy
ARP
Packet filtering
MAC filtering
VPN Pass-through
PAP/CHAP
SNMP
Telnet
HTTP based management

Ordering Information

Model	Description
1740-A1-400	4 Wire G.SHDSL Bridge/Router North America
1740-A1-401	4 Wire G.SHDSL Bridge/Router Europe
1740-A1-402	4 Wire G.SHDSL Bridge/Router UK
1740-A1-404	4 Wire G.SHDSL Bridge/Router India
1740-A1-405	4 Wire G.SHDSL Bridge/Router China
1740-A1-406	4 Wire G.SHDSL Bridge/Router Japan



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>