

## 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

- Auto-connect feature will automatically detect the first usable PVC and automatically detect PPPoE, PPPoA, and Bridge Protocol(with DHCP Server available)
- Configurable as either a Bridge or Router
- Filter traffic based on Destination or Source IP Address and MAC Addresses
- Traffic Class Rules based on Protocol, Source IP, Source Port, Destination IP, Destination Port, 802.1p
- Single Click DSL test - Tests Ethernet connection and ADSL Synchronization along with ATM OAM F5 segment pings and end-to-end pings.
- Integrated telephone filter
- Configured through easy-to-use web interface
- DELT - Integrated Loop Testing for Line troubleshooting

### 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

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