



Z H O N E

## 2-wire, 4-wire G.SHDSL Router

1740-A3-xxx

- ✓ *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*

### Bonded G.SHDSL Router, Speeds up to 4.6 Meg



The Zhone 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 Zhone's 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.

The Quality of Service feature ensures a smooth net connection for inbound and outbound data with minimal traffic congestion. The router also supports IPSec VPN for users to create a secure data communications environment between two or more sites.

## Technical Specifications

### Dimensions

- W(7.32in) x H(5.039in) x D(1.18in)

### Power

- 100-240v, 50-60Hz universal power, with country-specific plugs based on model
- Input 12VDC 1A

### Interfaces

- G.SHDSL - Single RJ48 supporting 2/4 wire
- LAN - Four port 10/100BaseT Auto MIDI with switching
- Console - Mini-DIN

### 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

- Network Features
  - Transparent, learning bridge
  - VLAN
  - NAT/PAT
  - IP QoS (based on IP protocol, port number and IP address)
  - RIPv1, RIPv2, static routing
  - DHCP Server, Relay and DNS Proxy
  - IGMP proxy
  - ARP
  - Packet filtering
  - MAC filtering
  - VPN
    - IPsec
    - PAP/CHAP
    - SNMP
    - Telnet
      - VPN Feature
  - IPsec & PPPTP client/server
  - IKE key management
  - DES, 3DES and AES encryption for IPsec
  - MPPE Encryption for PPTP
  - L2TP over IPsec
  - L2TP/PPTP/IPsec pass-through

### Management

- Web based GUI

### Regulatory Compliance

- FCC Part 16 and 68
- UL
- CE

### Operating Requirements

- Operating Temperature: 32° F to 104° F (0° C to 40° C)
- Storage Temperature: -4° F to 158° F (-20° C to 70° C)
- Humidity: 20% to 95%, non-condensing

## Ordering Information

1740-A3-400	4 Wire G.SHDSL Bridge/Router NA
1740-A3-401	4 Wire G.SHDSL Bridge/Router EURO
1740-A3-402	4 Wire G.SHDSL Bridge/Router UK
1740-A3-404	4 Wire G.SHDSL Bridge/Router India
1740-A3-405	4 Wire G.SHDSL Bridge/Router China
1740-A3-406	4 Wire G.SHDSL Bridge/Router Japan



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