



Z H O N E

## 2 & 4 Router W/ Ext Rate Bonded SHDSL

1752-A1-XXX, 1754-A1-XXX

### Bonded G.SHDSL Router, Speeds up to 5.7 MB

- ✓ Provides up to 16Mbps service to the customer premises
- ✓ Supports bonding of 4 pairs for higher bandwidths
- ✓ Supports operation as a CPE or operation in a point-to-point configuration
- ✓ Bandwidths as high as 5.7Mbps on a single pair using SHDSL
- ✓ Full featured router/switch for use in small - medium business locations
- ✓ Interoperable with products supporting G.991.2-2001 and G.991.2-2003



The Zhone 1752/1754 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.

In addition the 1752 and 1754 support the latest in SHDSL standards G.991.2-2003 with Extended Rate support. This means service providers can now deploy a symmetric service with bandwidth as high as 5.7Mbps on a single pair and as high as 16Mbps using 4 pairs. The 1752 and 1754 CPE interoperates with Zhone's 8820 and also the BitStorm 2600 and 4200IP 1U DSLAMs providing multiple central office options for service providers to use along with a full featured router for the customer premises. In addition to operating as a CPE the 1752 and 1754 can also operate in a back to back mode. This provides service providers the ability to deploy a service with bandwidth as high as 16Mbps in a point-to-point configuration. For instance, the point-to-point configuration enables cost effective service across a campus or for in small deployment location where a larger 1U or chassis central office product is not appropriate.

## Technical Specifications

### Power

- 90VAC - 265VAC, 47 - 63Hz

### Interfaces

- Four 10/100BT Auto-sensing RJ45 Interfaces
- Craft Interface for local console access
- One RJ11 for 2 Pair Bonding on the 1752
- Two RJ11 for 4 Pair Bonding on the 1754

### Standards Support

- G.991.2-2001 SHDSL
- G.994.1-2003 SHDSL w/ Extended Rates
- G.991.2-2003 SHDSL w/ Extended Rates
- MAC Bridging (IEEE 802.3 and 802.1D)
- PPPoE
- PPPoA
- RFC 1483/2684 Bridged Encapsulation
- IEEE 802.1P Priority Output Queueing
- IEEE 802.1Q VLAN
- RIP v1/v2
- ICMP
- NAT/PAT
- DHCP Client/server and DHCP Relay

### Protocol Support

- MAC Address Filtering
- VPN passthrough for IPSec, L2TP and SSL/SSH
- 8 Configurable PVC's supporting VBR-rt, VBR-nrt, CBR, UBR

### Management

- Web Interface
- CLI
- SNMP
- MIB-II (RFC)
- Firewall with stateful packet inspection
- Firmware Upgrade via FTP or HTTP
- OAM F5 End-to-End and Segment Loopbacks

### Regulatory Compliance

- FCC Part 15
- UL/CSA 60950
- VCCI
- EN 50082-1, EN 60950, EN 55022 Class A
- CS-03

### Operating Requirements

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -40°C to 70°C

## Ordering Information

1752-A1-400	2 Port Bonding SHDSL Extended Rate Bridge/Router North America
1752-A1-401	2 Port Bonding SHDSL Extended Rate Bridge/Router UK Power
1752-A1-402	2 Port Bonding SHDSL Extended Rate Bridge/Router Europe Power
1754-A1-400	4 Port Bonding SHDSL Extended Rate Bridge/Router North America
1754-A1-401	4 Port Bonding SHDSL Extended Rate Bridge/Router UK Power
1754-A1-402	4 Port Bonding SHDSL Extended Rate Bridge/Router Europe Power



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