2 Port and 4 Port Router with Extended Rate Bonded SHDSL
1752, 1754

Bonded G.SHDSL Router, Speeds up to 5.7 Meg on a single pair

Overview

The Paradyne 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 Paradynes 8820 BLC 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.

Features

- 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

Benefits

- 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

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.991.2-2003 SHDSL w/ Extended Rates
MAC Bridging (IEEE 802.3 and 802.1D)
PPPoE (RFC 2416)
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