

ATM Modem Series SHRM03-ET100R



SHRM03-ET100R Line Card

G.SHDSL Modem Concentrator

The SHRM03 ATM based line card rack allows customers to concentrate their G.SHDSL ATM based bridge/router Ethernet lines into a central location with hot swappable capabilities and redundant power supplies. The SHRM03 ATM line card is equipped with two independent channels that support adaptive auto-rate, Annex A or Annex B, bridging or routing, and embedded SNMP, Telnet and Web interface for provisioning and management. This rack is 100% compatible with our SHDTU03/ET10R and ET10RS standalone cpe modems.

Features

- All interface connections on the rear panel
- Central solution in 19" rack
- Software upgrade via TFTP or Web interface
- IP based in-band management
- Each card supports two channels of single pair (two wire) for Ethernet Bridging or Routing solution at nx64 rates up to 2.304Mbps.
- Hot swappable cards and redundant (optional) power supplies
- Web browser screens for easy use
- SNMP agent embedded in each channel
- Up to 13 cards (26 loops) may be placed in one rack

Specifications - SHRM03-ET100R

Routing
DHCP server, client and relay (RFC2131/ 2132)
DNS relay and caching (RFC1034/ 1035)
IP multicast and IGMP proxy (RFC1112/ 2236)
IP routing with static routing and RIPv1/ RIPv2 (RFC1058/ 2453)
NAT ALGs for ICQ/ Netmeeting/ MSN/ Yahoo Messenger
Network address translation (NAT/ PAT) (RFC1631)
Support IP/TCP/UDP/ARP/ICMP/IGMP protocols
Bridging
IEEE 802.1D transparent learning bridge
IEEE 802.1q VLAN
Spanning tree protocol
Security
Advanced Stateful packet inspection (SPI) firewall (Optional Firewall Router)
Application level gateway for URL and keyword blocking (Firewall Router)
DMZ host/ Multi-DMZ/Multi-NAT function
Natural NAT firewall
User access control: deny certain PCs access to Internet service (Firewall Router)
Virtual server mapping (RFC1631)
VPN pass-through for PPTP/ L2TP/ IPSec tunneling
Management
Easy-to-use web-based GUI for quick setup, configuration and management
Menu-driven interface/Command-line interface (CLI) for Telnet access
Password protected management and access control list for administration
SNMP management with SNMPv1/ SNMPv2 (RFC1157/ 1901/ 1905) agent and MIB II(RFC1213/ 1493)
Software upgrade via web-browser/ TFTP server
ATM
AAL5
OAM F5 AIS/RDI and loopback
Up to 8 PVCs
ATM QoS
CBR (Constant bit rate)
UBR (Unspecified bit rate)
VBR-rt (Variable bit rate real-time)
VBR-nrt (Variable bit rate non-real-time)
AAL5 Encapsulation
Classical IP over ATM (RFC 1577)
Ethernet over ATM (RFC 2684/1483)
PPP over ATM (RFC 2364)
VC multiplexing and SNAP/LLC
PPP
PPP over ATM for fixed and dynamic IP (RFC 2364)
PPP over Ethernet for fixed and dynamic IP (RFC 2516)
User authentication with PAP/CHAP/MS-CHAP

Specifications

General Specification		
Power	AC 100V/ 220V, DC -48V	
Environment	Temperature	0 — 50°C (Operating); 20 — 70°C (Storage)
	Humidity	5% — 90% non-condensing
Power Consumptin	100W	
Dimensions (WxDxH)	438 x 285 x 180mm	
Weight	6.5kg (empty chassis)	

Ordering Info

Rack Mount SHRM03 Chassis	
SHRM03-AA/CH	4U, 19" 14 slots Chassis for AC + AC Power
SHRM03-AD/CH	4U, 19" 14 slots Chassis for AC + DC Power
SHRM03-DD/CH	4U, 19" 14 slots Chassis for DC + DC Power
SHRM03-AC	AC100V, AC220V Power Module
SHRM03-ET100R	G.SHDSL (2loop/2W) 10/100Base-T Ethernet Router and Bridge (2 channels) ATM Base Line card