GNTU 1520/402
GNTU 1520/404
GNTU 1520/408

G.SHDSL.bis Bridge/ Router

- Easy configuration and management with password control for various application environments
- Efficient IP routing and transparent learning bridge to support
- Broadband Internet services
- VPN pass-through for safeguarded connections
- Fully ATM protocol stack implementation over SHDSL
- PPPoA and PPPoE support user authentication with PAP/ CHAP
- SNMP management with SNMPv1 / SNMPv2 agent and MIB II
- Getting enhancements and new features via firmware upgrade
- Built-in 4-port 10/100Mbps switch
- Web ,Telnet supported
- 1/2/4 pairs DSL
- WAN Port ping Disable/ Enable
- Support IEEE 802.1p with 4 – level Queue
- Support IEEE 802.1Q VLAN
- Support 4094 VLAN and VLAN ID, and VLAN supports tag and remove features
- Support basic firewall configuration via IP / MAC / DNS filter.
- Support SNTP protocol to get network time.
- URL blocking

GNTU 1520/40x Series is a high-speed product of TAINET G.SHDSL series. Understanding the urgent needs of both bandwidth and routing functions, GNTU 1520/40x Series is designed to provide the business customer a high performance standalone unit with rich of routing features via single/two/four pairs G.SHDSL line. Strongly committed to friendly configuration, GNTU 1520/40x Series has the Web-based and GUI-based configuration features for configuring the unit in the easiest way ever.

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Model

- GNTU 1520/402, 2-wire, 4 Ethernet ports
- GNTU 1520/404, 4-wire, 4 Ethernet ports
- GNTU 1520/408, 8-wire, 4 Ethernet ports

G.SHDSL.bis Link

- Downstream and upstream symmetrical data rates up to 60M in EFM with 4 pairs DSL line
- ATM and EFM mode auto select
- ITU G.991.2 Annex A ,B,F,G
- Line Code: TC-PAM 16/32/128
- EFM bonding and SHDSL M-pair mode for 1/2/4 pairs
- Fixed/ Auto rate negotiation : compliant G.994.1
- STU-C/STU-R mode selectable
- Impedance: 135 ohm
- Performance monitoring: (error seconds, severely error seconds, unavailability seconds)
- SNR /Attenuation Value calculation

ATM Specification

- ATM adaptation layer type 5 (AAL5)
- VC multiplexing and LLC encapsulation
- Multi-protocol over AAL5 (RFC 1483/2684 bridged and routed PDU)
- Classical IP over ATM (RFC 1577 with MTU = 1500)
- 1 PVCs
- ATM QoS CBR, UBR, VBR, VBR-rt support
- UNI 3.1/4.0 PVC
- I.610 OAM F5 loopback

Physical interfaces

- 4 ports RJ45 for 10/100Mbs Ethernet LAN connection
- 2 RJ-11 port for G.SHDSL.bis connection
- 1 console port for local configuration and management

PPP Support

- PPP (RFC 1661)
- PPP over AAL5 (RFC 2364)
- PPP over Ethernet (RFC 2516)
- User authentication with PAP/CHAP

Bridging

- IEEE 802.1D transparent learning bridge
- Up to 1K MAC learning addresses

Routing Capability

- Support IP/TCP/UDP/ARP/ICMP protocols
- IP routing with static routing and RIPv1/RIPv2 (RFC1058/2453)
- Network address translation (NAT/PAT) (RFC1631)
- DNS relay and caching (RFC1034/1035)
- DHCP server (RFC2131/2132)
- Support RIPv1 / RIPv2
- Support IP / MAC / DNS Filter
- Support DDNS function

Configuration

- Local console (RS232)
- Telnet access
- Web-based GUI (HTTP)

Management

- Web-based GUI for express setup, configuration and management
- Menu-driven interface for local console and Telnet access
- Password protected management and access control list for administration
- SNMP management with SNMPv1/SNMPv2c
- Software upgrade via TFTP server

Power

- External power adapter 12V DC, 1000mA

Physical Dimension

- Desktop：220(W) x 150(D) x 40(H) mm

Environment

- Operating temperature：0℃~ 45℃
- Storage temperature:-10℃~ 70℃
- Humidity：0 to 85 percent, Non-condensing