

High Speed 11.4Mbps Ethernet LAN Extender

Ethernet Beyond 100 Metres



The GRT-504 is a G.SHDSL.bis router that supports symmetric data rates from 384kbps to 11.4Mbps, for LAN-to-LAN network connections up to 6.7km (4.2 miles) using two pair telephone cables. (BT EPS 8 Baseband Premier Leased Lines)

The Planet GRT-504 includes high-end Bridging / Routing capabilities and advanced functions such as DMZ, Virtual Server, and VPN pass-through. With virtual LANs becoming an important internetworking requirement the GRT-504 supports IEEE 802.1Q and port based VLAN over ATM networks.

With the built-in Simple Network Management Protocol (SNMP) and web-based management, the GRT-504 offers an easy-to-use platform-independent management and configuration facility.

VLAN

SNMP

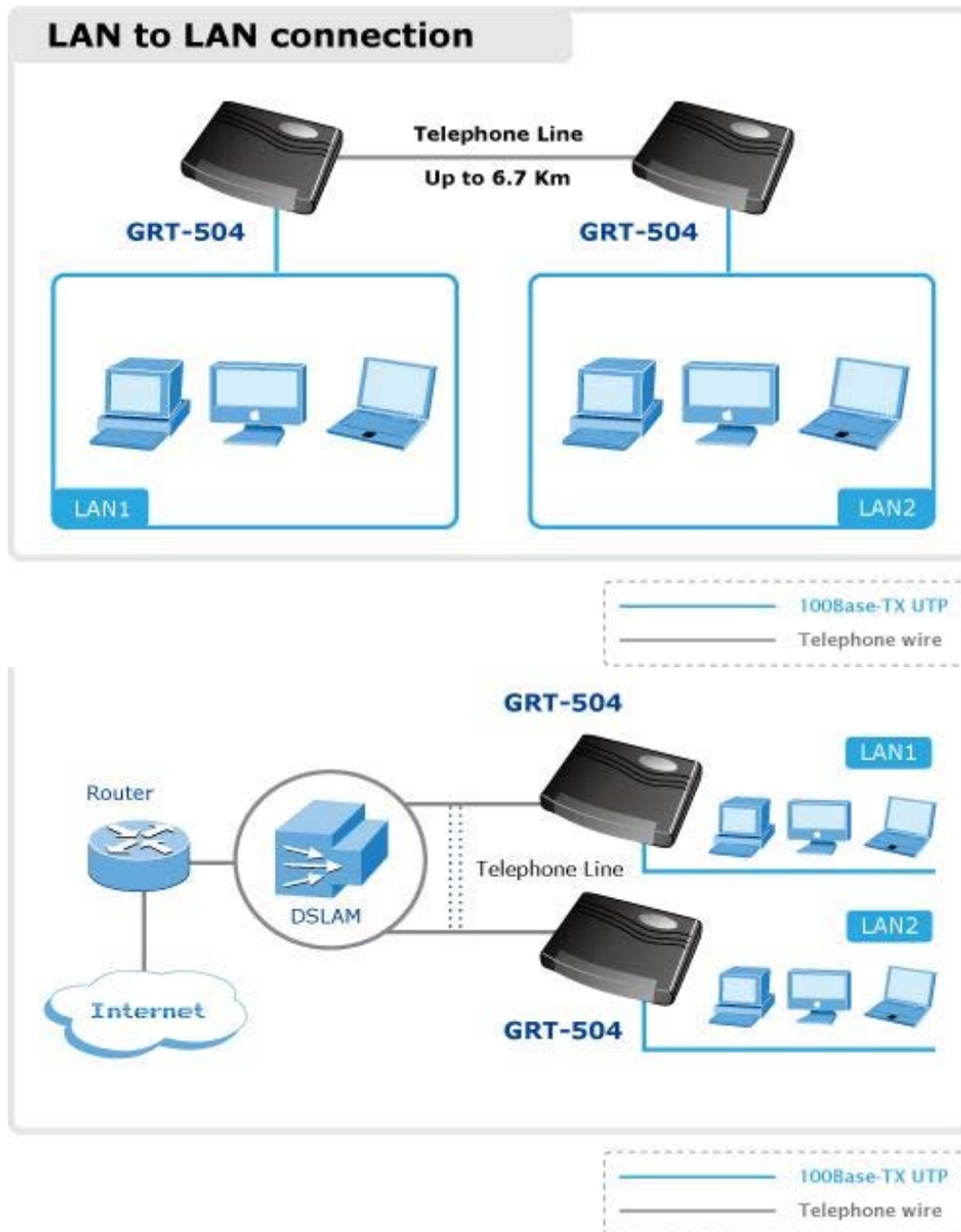
QoS

Virtual Server

DHCP Server

Firewall

DMZ



11.4Mbps LAN Extender Specifications

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	GRT-504
Hardware	
Standard	Compliant with ITU-T G.991.2 Standard Annex A/B Compliant with G.SHDSL.bis Annex A/B/F/G TC-PAM Line Code Symmetric data transmission speed up to 11.4 Mbps on 4-wire Multi-range from 384 Kbps to 11.4 Mbps
Protocol	RFC 1577 - Classical IP over ATM (RFC 1577) RFC 2364 - PPP over ATM RFC 1483/2684 - Ethernet over ATM RFC 2516 - PPP over Ethernet (fixed and dynamic IP) RFC 2364 - PPP over ATM (fixed and dynamic IP)
AAL and ATM Support	Support up to 8 PVCs ATM Forum UNI 3.1/4.0 PVC Support OAM F4 / F5 AIS/RDI and Loopback VC multiplexing and SNAP / LLC Integrated ATM QoS support (UBR, CBR, VBR-rt, and VBR-nrt)
WAN Port	1 x RJ-45 (Auto-Negotiation)
LAN Port	4 x RJ-45 (10Base-T/100Base-TX, Auto-Negotiation, Auto MDI/MDI-X)
Console	1 x RS-232 (DB9)
Button	1 x Reset Button
LED Indicators	PWR, WAN LNK / ACT, LAN 1/2/3/4, ALM
Software	
Protocol and Advanced Functions	IEEE 802.1D transparent learning bridge IEEE 802.1Q VLAN Support IP/TCP/UDP/ARP/ICMP/IGMP protocols IP routing with static routing and RIPv1/RIPv2 IP multicast and IGMP proxy Network address translation (NAT / PAT) DMZ host / Multi-DMZ / Multi-NAT function Virtual Server (RFC1631) DNS relay and caching DHCP server, client and relay IP QoS
Security	Built-in NAT and SPI Firewall PPP over PAP (RFC1334) PPP over CHAP (RFC1994) Password protection for system management
VPN	VPN (PPTP / L2TP / IPSec) pass-through
Management	Web-based configuration Command-line Interpreter (CLI) via Console Command-line Interpreter (CLI) via Telnet Software upgrade via web-browser / TFTP server SNMPv1 and v2
Environment Specification	
Dimension (W x D x H)	145 x 188 x 33 mm
Power	9V DC, 1A
Temperature Humidity	Operating: 0~45 Degree C, 0~90% (non-condensing) Storage: -10~70 Degree C, 0~95% (non-condensing)
Emission	FCC, CE