GBR-4001 Version: 1

Multi-WAN Gigabit VPN Router, Quad WAN

GBR-4001 4-WAN Gigabit Broadband Gateway/Router is a purpose-built gigabit solution designed for medium and large-sized Internet cafés, enterprises broadband communities and schools which require multiple connections. With the high performance network processor and the leading operating system ReOS, GBR-4001 delivers higher performance and higher availability than most other routers.In addition to the common features such as NAT, firewall, bandwidth management, IP/MAC binding and access control, GBR-4001 also provides abilities of high security, high express forwarding, diagnosis and flexible management, which is the ideal choice for high-load network. GBR-4001 offers 4 Gigabit LAN ports, which can directly access to the Internal Gigabit backbone network, meeting the demands of high transmission speed. 4-WAN port design offers multiple choices for ISP connections and real-time backup and load balancing. Besides, it also supports policy-based routing of different ISPs.

Key Features

- Built-in robust firewall to protect Internet access against intruders
- QoS control for traffic prioritization and bandwidth management
- IPSec/PPTP VPN connection
- VPN pass-through for L2TP, PPTP and IPSec
- 4 WAN ports with load balancing and connection auto-failover functions
- Layer 7 (application layer) filtering based on URL and keywords
- Supports Command Line Interface (in Telnet)

Specifications

System Specifications

Standards & Protocols:
IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.3ab 1000BASE-T, Gigabit Ethernet

Memory:
DDR3 256M

Connectors and Cabling:
4 x 10/100/1000Base-T RJ-45 LAN Port
4x 10/100/1000Base-T RJ-45 WAN Port

Button/Knob:
Reset Button

Indicator:
Storage and Forwarding

Power Input:
Power Input: 100-240V AC, 50-60 Hz

Features

General:

Gigabit Access
Offer 4 Gigabit LAN ports and 4 Gigabit WAN ports; Connect to the Gigabit backbone network with full-duplex gigabit wire speed. Meet the needs of Internet cafés and enterprises which require high-speed data transmission.
VPN
Support various VPN functions such as IPSec and PPTP, which can be used alone or combined; Support dynamic IP address VPN connections; Support Site-to-site VPN, remote access VPN (client-to-site); VPN tunnels are restricted to 50, up to 30 concurrent tunnels. IPSec provides features of auto key (IKE) and manual key, ESP/AH protocols, DES/3DES/AES encryption algorithm, MD5/SHA-1 hash algorithm, main mode and aggressive mode, Anti-Replay and NAT Traversal.
4 WAN Ports and NAT
4 WAN ports are provided, which support mixed connections of DSL, fiber optical and Cable Modem. Under the PPPoE mode, 3 dial modes are provided: Always On, On Demand and Manual. Support Link Quality Monitoring (LQM); Offer management of dialing time (start time and end time), to prevent network waste from negligence. Under the DHCP mode, MAC address modification and cloning are available.
4-WAN ports design provides 4 Internet connections; Support load balancing and real-time backup; Support network flow distribution based on bandwidth ratio to optimize the bandwidth utilization; Support policy-based routing of different ISPs.
Support NAPT/NAT, routing and hybrid mode, which meet the needs of complicated networks; Support port forwarding and DMZ host for external services like HTTP, telnet and FTP, etc; Support NAT re-routing, reverse NAT and NAT ALG: FTP, PPTP and IPSec ESP, etc.

Security:

Super abilities of defense against internal/external attacks: ARP spoofing attacks, port scanning, DoS/DDoS attacks, Worm.Blaster, Worm.Sasser, SQL slammer, etc. Ensure the stability and security of your router and network.
Support packet filtering based on source/destination IP address, protocols, ports, source/destination MAC address; Support application layer filtering based on URL and keywords; Support schedule-based ACL; Control the Internet access and protect the internal network from external attacks.

Management:

Offer user-friendly Web interface which delivers an easy-to-use platform with rich functions. Quick Wizard will help customers to complete the initial settings in short time. Support traditional Command Line Interface (CLI) with more functions. You can use both Web and CLI to manage the remote devices.
Support configuration backup and restore through TFTP and Web, etc. You can save the current configuration file into your computer and import the configuration file into the UTT router.
Support SNMP interface for remote management of SNMP server. Support Syslog for remote messages forwarding from Syslog server.

Performance

Concurrent NAT Session:
100000

Network Throughput:
200 Mbps

MAC Address Table:
8k

Data Transfer Rate:
170 Kpps

Environment

Temperature (°C):
Operating: 0°C ~ 40°C
Storage: -40°C ~ 70°C

Humidity (Non-condensing):
Storage: 5% ~ 95%
Operating: 10 ~ 90%

Deployment:
19-inch rack-mountable

Physical Specifications

Dimensions (W x D x H mm):
440 *223 *43.6 mm

Weight (g):
3400g

Order Information

GBR-4001

Package Contents

GBR-4001
Power Cord
Resource CD (User Manual, QIG)
Quick Installation Guide