

Grandstream GWN7001 Multi-WAN Gigabit Router



Product Name: Grandstream GWN7001 Multi-WAN Gigabit Router

Manufacturer: Grandstream

Model Number: GWN7001

Grandstream GWN7001 Multi-WAN Gigabit Router

The Grandstream GWN7000 Series comprises Multi-WAN Gigabit VPN routers featuring integrated firewalls. These routers enable businesses to establish extensive wired, wireless, and VPN networks across single or multiple sites.

Grandstream GWN7001 Key Features

- Supports multiple Gigabit RJ45 ports and Gigabit SFP ports
- Built-in VPN support allows easy access to corporate networks for remote employees
- Multiple WAN ports with load balancing and failover to maximize connection reliability
- Rich firewall features including DDNS, port forwarding, DMZ, UPnP, Anti-Dos, traffic rules, NAT and ALG
- Supports application/protocol monitoring and traffic statistics with Deep Packet Inspection (DPI)
- Advanced QoS to ensure real-time performance of low-latency applications
- Supports application, URL, DNS, and web content filtering to block access from unsecure contents
- Embedded controller can manage itself and up to 150 GWN APs; GWN.Cloud offers a free cloud management platform for unlimited routers and GWN APs

The GWN7001's core features include an advanced onboard firewall for content security, threat detection, and attack prevention, ensuring network stability. It also enhances reliability with traffic balancing, failover, and bandwidth management.

With 6 Gigabit Ethernet ports, the GWN7001 provides ample connectivity. It can manage up to 150 GWN Series Wi-Fi Access Points via an embedded controller, and it's compatible with Grandstream's GWN.Cloud and GWN Manager tools for network management.

Grandstream GWN7001 Technical Specification

CPU

- Dual ARM Cortex A53 1GHz

Memory and NAT Sessions

- 256MB RAM, 256MB Flash, 30K NAT sessions

Network Interfaces

- 6x Gigabit Ethernet ports (WAN/LAN configurable)

NAT Throughput and IPsec VPN Throughput

- NAT Throughput: 2.2Gbps
- IPsec VPN Throughput: 530Mbps

Auxiliary Ports and Mounting

- 1x USB 2.0 port, 1x Reset Pinhole
- Mounting: Desktop and wall mounting

LEDs

Grandstream GWN7001 Multi-WAN Gigabit Router

• 8 x single-color LEDs for device tracking and status indication

Connection Type and Network Protocols

• DHCP, Static IP, PPPoE, PPTP, L2TP

• Network Protocols: IPv4, IPv6, IEEE802.1Q, IEEE 802.1p, IEEE802.1x, IEEE802.3, IEEE 802.3u, IEEE 802.3x, IEEE802.3ab

QoS (Quality of Service)

• VLAN, TOS

• Support multiple traffic classes, filter by port, IP address, DSCP, and policing

• App QoS

• VoIP Prioritization

Firewall and Security

• DDNS, Port Forwarding, DMZ, UPnP, Anti-DoS, traffic rules, NAT, ALG

• Application/protocol monitoring and traffic statistics

• Content filtering: Supports Application/URL/DNS/Web Content Filtering

• Safe search

VPN

• SSL VPN Server / Client-to-Site

• IPsec VPN Client-to-Site / Site-to-Site

• PPTP VPN Server / Client-to-Site

• L2TP Client-to-Site

• WireGuard (pending)

• IPsec Encryption: DES, 3DES, AES

• IPsec Authentication: MD5, SHA-1, SHA2-256

• IPsec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14

• IPsec Protocols: ESP

• IPsec NAT Traversal

• SSL VPN Encryption: AES, DES

• SSL Authentication: MD5, SHA-1, SHA2-256, SHA2-384, SHA2-512

• SSL VPN Certificate: RSA

• PPTP Encryption: MPPE 40-bit, 128-bit, IPsec

• PPTP/L2TP Authentication: MS-CHAPv1/2

Max Concurrent VPN Tunnels

• Up to 50 Tunnels

Network Management

• GWN7001 embedded controller for self and up to 100 GWN APs

• GWN.Cloud offers a free cloud management platform for unlimited GWN Routers and GWN APs

Power & Green Energy Efficiency

• Universal power adaptor included: Input: 100-240VAC 50-60Hz, Output: 12V DC 1A (12W)

Environmental

Grandstream GWN7001 Multi-WAN Gigabit Router

- Operation: 0°C to 40°C
- Storage: -30°C to 60°C
- Humidity: 10% to 90% Non-condensing

Physical

- Unit Dimension: 210mm(L)x130mm(W)x35mm(H); Unit Weight: 453g
- Entire Package Dimension: 246mm(L)x235mm(W)x54mm(H); Entire Package Weight: 672g

Package Content

- GWN7001 Router
- Universal Power Supply
- Network Cable
- Quick Installation Guide

Compliance

- FCC
- CE
- RCM
- IC
- UKCA

Price: Â£40.40
