

Grandstream GWN7003 Multi-WAN Gigabit Router



Product Name: Grandstream GWN7003 Multi-WAN Gigabit Router

Manufacturer: Grandstream

Model Number: GWN7003

Grandstream GWN7003 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 GWN7003 Key Features

½ 1x GbE RJ45 port with IEEE 802.3af/at PoE Input and 2x GbE RJ45 ports with 48V Passive PoE output or IEEE802.3af

½ Supports multiple Gigabit RJ45 ports and Gigabit SFP ports

½ Built-in VPN support allows easy access to corporate networks for remote employees

½ Multiple WAN ports with load balancing and failover to maximize connection reliability

½ Rich firewall features including DDNS, port forwarding, DMZ, UPnP, Anti-Dos, traffic rules, NAT and ALG

½ Supports application/protocol monitoring and traffic statistics with Deep Packet Inspection (DPI)

½ Advanced QoS to ensure real-time performance of low-latency applications

½ Supports application, URL, DNS, and web content filtering to block access from unsecure contents

½ 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 adaptable GWN7003 excels in various deployments—small-to-medium businesses, education, healthcare, and more. Its robust routing, integrated VPN, security features, and user-friendly tools make it a reliable networking solution..

With 2 Gigabit SFP ports, 9 Gigabit Ethernet ports, and 2 PoE outputs, the GWN7003 offers versatile connectivity. Managing up to 150 GWN Series Wi-Fi Access Points via an embedded controller, it seamlessly works with Grandstream's GWN.Cloud and GWN Manager tools for simplified network management..

Grandstream GWN7003 Technical Specification

CPU

½ Dual ARM Cortex A53 1GHz

Memory and NAT Sessions

½ 512MB RAM, 256MB Flash, 60K NAT sessions

Network Interfaces

½ 2x Gigabit SFP ports and 9x Gigabit Ethernet ports (WAN/LAN configurable)

NAT Throughput and IPsec VPN Throughput

½ NAT Throughput: 2.2Gbps

½ IPsec VPN Throughput: 530Mbps

Auxiliary Ports and Mounting

½ 1x USB 2.0 port, 1x Reset Pinhole

½ Mounting: Desktop and wall mounting

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LEDs

• 13x 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 100 Tunnels

Network Management

• GWN7003 embedded controller for self and up to 150 GWN APs

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

PoE Input

Grandstream GWN7003 Multi-WAN Gigabit Router

Standard: IEEE 802.3af/at

PoE Output

2x PoE out ports

Passive 48V or IEEE802.3af

PoE Power Budget

24V DC 1A: 12.8W

24V DC 1.5A: 24.8W

Power & Green Energy Efficiency

Universal power adaptor included: Input: 100-240VAC 50-60Hz, Output: 24V DC 1A (24W)

Environmental

Operation: 0°C to 40°C

Storage: -30°C to 60°C

Humidity: 10% to 90% Non-condensing

Physical

Unit Dimension: 260mm(L)x149.35mm(W)*35mm(H); Unit Weight: 1096g

Entire Package Dimension: 297mm(L)x255.5mm(W)x54mm(H); Entire Package Weight: 1443g

Package Content

GWN7003 Router

Universal Power Supply

Network Cable

Quick Installation Guide

Compliance

FCC

CE

RCM

IC

UKCA

Price: £74.25