

Grandstream GWN7052F Dual-Band Wi-Fi Router



Product Name: Grandstream GWN7052F Dual-Band Wi-Fi Router

Manufacturer: Grandstream

Model Number: GWN7052F

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The Grandstream GWN7052F is a secure router with dual-band 802.11ac Wi-Fi, perfect for small offices and remote workers. It supports wireless Mesh networking and wired AP connections, offering 2x2 MU-MIMO on both bands..

Grandstream GWN7052F Key Features

- 1.27Gbps aggregate wireless throughput with 5x auto-sensing Gigabit ports
- Dual-band 2x2 MU-MIMO
- Built-in VPN support allows easy access to corporate networks for remote employees
- Supports 100 concurrent Wi-Fi client devices
- Supports Mesh networking with Grandstream access points to provide easy network expansion
- Powerful security features include guest network, network blacklist, Antihacking secure boot & critical data/control lockdown via digital signatures, and more
- Rich firewall features including Anti-DoS, traffic rules, NAT and ALG
- Secure cloud provisioning through GWN.Cloud
- 1x Gigabit SFP WAN port, 4x Gigabit Ethernet ports (WAN/LAN configurable)

For security, it includes VPN support and unique security certificates. The built-in controller makes setup easy, and it will soon be compatible with GWN.Cloud for cloud-based management..

With accelerated Wi-Fi, mesh networking, wired AP support, and strong security, the GWN7052F is an excellent router for growing home and small business networks..

Grandstream GWN7052F Technical Specification

Memory and NAT Sessions

- 256MB RAM, 60K NAT sessions

NAT Routing & IPSec VPN Performance

- 1Gbps NAT routing
- 300Mbps IPSec VPN performance

Wi-Fi Standards

- IEEE 802.11 a/b/g/n/ac

Antennas

- 4 individual external antennas, 2 per band
- 2.4GHz, gain 5.0dBi
- 5 GHz, gain 5.0dBi

Wi-Fi Data Rates

- 5G:
- IEEE 802.11ac: 6.5 Mbps to 867 Mbps
- IEEE 802.11n: 6.5 Mbps to 300 Mbps
- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

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IEEE 802.11n:

IEEE 802.11n: 6.5 Mbps to 300 Mbps

IEEE 802.11b: 1, 2, 5.5, 11 Mbps

IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

*Actual throughput may vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment and mix of devices in the network

Frequency Bands

2.4GHz radio: 2400 – 2483.5MHz

5GHz radio: 5150 - 5850MHz

*Not all frequency bands can be used in all regions

Channel Bandwidth

2.4G: 20 and 40 MHz

5G: 20, 40 and 80 MHz

Wi-Fi and System Security

WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device

MIMO

2x2 2.4GHz (MIMO)

2x2 5GHz (MU-MIMO)

Maximum TX Power

2.4G: 23dBm

5G: 24dBm

*Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

2.4G:

802.11b: -96dBm @1Mbps, -88dBm @11Mbps;

802.11g: -93dBm @6Mbps, -75dBm @54Mbps;

802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7;

5G:

802.11a: -92dBm @6Mbps, -74dBm @54Mbps;

802.11n: 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7

802.11ac 20MHz: -67dBm @MCS8; 802.11ac HT40: -63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9;

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SSIDs

• 16 SSIDs total, 8 per radio (2.4ghz and 5 ghz)

Concurrent Clients

• Up to 100 concurrent clients

Network Interfaces

• 1x Gigabit SFP WAN port, 4x Gigabit Ethernet ports (WAN/LAN configurable)

Auxiliary Ports

• 1x USB 2.0 port, 1x Reset Pinhole

Mounting

• Desktop and wall mounting

LEDs

• 1 tri-color LED and 7x single-color LEDs for device tracking and status indication

Network Protocols

• IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

• 802.11e/WMM, VLAN, TOS

Firewall

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

VPN

• Client: L2TP, PPTP, IPSec,

• Server: IPSec, OpenVPN

Network Management

• GWN7052F embedded controller can manage itself and up to 50 GWN APs; GWN.Cloud offers a free cloud management platform for unlimited GWN7052F routers and GWN APs (coming soon)

Power & Green Energy Efficiency

• Universal power adaptor included:

• Input 100-240VAC 50-60Hz

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⌚½ Output: 12VDC 1A (12W);

Environmental

⌚½ Operation: 0°C to 50°C

⌚½ Storage: -10°C to 60°C

⌚½ Humidity: 10% to 90% Non-condensing

Physical

⌚½ Unit Dimension without antennas: 205mm(L)x130mm(W)x35.5mm(H);

⌚½ Unit Dimension with antennas of 90°: 235.5mm(L)x145mm(W)x192mm(H); Unit Weight: 375g

⌚½ Entire Package Dimension: 250mm(L)x251.5mm(W)x56mm(H); Entire Package Weight: 740g

Package Content

⌚½ GWN7052F Router

⌚½ Universal Power Supply

⌚½ Network Cable

⌚½ Quick Installation Guide

Compliance

⌚½ FCC

⌚½ CE

⌚½ RCM

⌚½ IC

⌚½ UKCA

Price: £51.75
