

Grandstream GWN7052 Dual-Band Wi-Fi Router



Product Name: Grandstream GWN7052 Dual-Band Wi-Fi Router

Manufacturer: Grandstream

Model Number: GWN7052

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The Grandstream GWN7052 is a secure dual-band Wi-Fi router ideal for small offices, home offices and remote workers, supports wireless Mesh networking, wired AP connections and built in VPN support, ideal router for growing a home and small business network.

Grandstream GWN7052 Key Features:

- 1.27Gbps aggregate wireless throughput with 5x auto-sensing Gigabit ports

- Dual-band 2x2:2 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 (coming soon)

The GWN7052 provides Wi-Fi speeds of up to 1.266 Gbps to 100 wireless devices, enabling bandwidth-demanding applications such as 4K Ultra HD video streaming, web meeting, video conference, online gaming, and more. It supports VPN to allow remote employees to securely connect to the corporate network from home or branch offices.

Grandstream GRP2650 Technical Specifications:

Memory and NAT Sessions

- 128MB RAM, 30K NAT sessions 256MB RAM, 60K NAT sessions

VPN NAT Routing & IPSec VPN Performance

- 1Gbps NAT routing and 300Mbps IPSec VPN performance

Antennas

- 4 individual external antennas, 2 per band

- 2.4GHz, gain 5.0dBi

- 5 GHz, gain 5.0dBi

MIMO

- 2x2:2 2.4GHz

- 2x2:2 5GHz

Wi-Fi

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

5G

- IEEE 802.11ac: 6.5 Mbps to 867 Mbps

- IEEE 802.11n: 6.5 Mbps to 300 Mbps

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

2.4G

• 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

• 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

Maximum TX Power

• 2.4G: 23dBm

• 5G: 24dBm

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

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; 802.11 n 40MHz: -70dBm @MCS7

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

SSIDs

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

• Concurrent Clients Up to 100 concurrent clients

Network Interfaces

• 1x Gigabit Ethernet WAN port and 4x Gigabit Ethernet

LAN ports

• 1x Gigabit SFP WAN port, 1x Gigabit Ethernet port(WAN/LAN configurable), and 3x Gigabit Ethernet LANports

Mounting

Grandstream GWN7052 Dual-Band Wi-Fi Router

• Desktop and wall mounting

Auxiliary Ports

• 1x USB 2.0 port, 1x Reset Pinhole

Power & Green Energy Efficiency

• Universal power adaptor included

• Input 100-240VAC 50-60Hz

• Output: 12VDC 1A (12W);

Humidity

• >10% to 90% Non-condensing

Package Contents

• GWN7052/GWN7052F Router, Universal Power Supply, Network Cable, Quick Installation Guide

Physical

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

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

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

Price: £43.90