

## Grandstream GWN7052F Dual-Band Wi-Fi Router



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

Manufacturer: Grandstream

Model Number: GWN7052F

### Grandstream GWN7052F Dual-Band Wi-Fi Router

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

- ½ 1.27Gbps aggregate wireless throughput with 5x auto-sensing Gigabit ports
- ½ Dual-band 2x2:2 MU-MIMO
- ½ Built-in VPN support allows easy access to corporate networks for remote employees
- ½ Supports 100 concurrent Wi-Fi client devices
- ½ Supports Mesh networking with Grandstream access points to provide easy network expansion
- ½ Powerful security features include guest network, network blacklist, Antihacking secure boot & critical data/control lockdown via digital signatures, and more
- ½ Rich firewall features including Anti-DoS, traffic rules, NAT and ALG
- ½ Secure cloud provisioning through GWN.Cloud
- ½ 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

- ½ 256MB RAM, 60K NAT sessions

##### NAT Routing & IPSec VPN Performance

- ½ 1Gbps NAT routing
- ½ 300Mbps IPSec VPN performance

##### Wi-Fi Standards

- ½ IEEE 802.11 a/b/g/n/ac

##### Antennas

- ½ 4 individual external antennas, 2 per band
- ½ 2.4GHz, gain 5.0dBi
- ½ 5 GHz, gain 5.0dBi

##### Wi-Fi Data Rates

- ½ 5G:

- ½ IEEE 802.11ac: 6.5 Mbps to 867 Mbps
- ½ IEEE 802.11n: 6.5 Mbps to 300 Mbps
- ½ IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

## Grandstream GWN7052F Dual-Band Wi-Fi Router

### 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

\*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

## Grandstream GWN7052F Dual-Band Wi-Fi Router

• Output: 12VDC 1A (12W);

### Environmental

• Operation: 0°C to 50°C  
• Storage: -10°C to 60°C  
• Humidity: 10% to 90% Non-condensing

### Physical

• Unit Dimension without antennas: 205mm(L)x130mm(W)x35.5mm(H);  
• Unit Dimension with antennas of 90°: 235.5mm(L)x145mm(W)x192mm(H); Unit Weight: 375g  
• Entire Package Dimension: 250mm(L)x251.5mm(W)x56mm(H); Entire Package Weight: 740g

### Package Content

• GWN7052F Router  
• Universal Power Supply  
• Network Cable  
• Quick Installation Guide

### Compliance

• FCC  
• CE  
• RCM  
• IC  
• UKCA

**Price: £51.75**