



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

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

� Dual-band 2x2:2 MU-MIMO

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

ï¿1/2 Supports 100 concurrent Wi-Fi client devices

าั¿½ Supports Mesh networking with Grandstream access points to provide easy network expansion

آذاً⁄² Powerful security features include guest network, network blacklist, Antihacking secure boot & Amp; critical data/control lockdown via digital signatures, and more

ī¿½ Rich firewall features including Anti-DoS, traffic rules, NAT and ALG

าั¿1/2 Secure cloud provisioning through GWN.Cloud

ī¿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

� 256MB RAM, 60K NAT sessions

NAT Routing & IPSec VPN Performance

ï¿1/2 1Gbps NAT routing

ï¿1/2 300Mbps IPSec VPN performance

Wi-Fi Standards

ï¿1/2 IEEE 802.11 a/b/g/n/ac

Antennas

� 4 individual external antennas, 2 per band

� 2.4GHz, gain 5.0dBi

تزير 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



� 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

T¿½ *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

าั¿½ *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

ϊ¿½ 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

� 2×2:2 2.4GHz (MIMO) � 2×2:2 5GHz (MU-MIMO)

Maximum TX Power

ϊ¿½ 2.4G: 23dBm ϊ¿½ 5G: 24dBm

រ៉េ¿½ *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

� 2.4G:

ī¿½ 802.11b: -96dBm@1Mbps, -88dBm@11Mbps; ī¿½ 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;



SSIDs

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

Concurrent Clients

ï¿1/2 Up to 100 concurrent clients

Network Interfaces

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

Auxiliary Ports

ï¿1/2 1x USB 2.0 port, 1x Reset Pinhole

Mounting

� Desktop and wall mounting

LEDs

 $\ddot{\text{1}}$ 1 tri-color LED and 7x single-color LEDs for device tracking and status indication

Network Protocols

 \ddot{i}_{2} IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

ï¿1/2 802.11e/WMM, VLAN, TOS

Firewall

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

VPN

ϊ¿½ Client: L2TP, PPTP, IPSec,ϊ¿½ Server: IPSec, OpenVPN

Network Management

T¿½ 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 & amp; Green Energy Efficiency

ï¿1/2 Universal power adaptor included:

ï¿⅓ Input 100-240VAC 50-60Hz



� Output: 12VDC 1A (12W);

Environmental

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

Physical

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

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

375g

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

Package Content

ï¿⅓ GWN7052F Router

ï¿1/2 Universal Power Supply

ï¿1/2 Network Cable

� Quick Installation Guide

Compliance

FCC

� CE

ï¿⅓ RCM

ï¿⅓IC

ï¿⅓ UKCA

Price: £51.75