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

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

ï¿½ 256MB RAM, 60K NAT sessions

NAT Routing & IPSec VPN Performance

ï¿½ 1Gbps NAT routing
ï¿½ 300Mbps IPSec VPN performance

Wi-Fi Standards

ï¿½ IEEE 802.11 a/b/g/n/ac

Antennas

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

Wi-Fi Data Rates

ï¿½ 5G:

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

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ï¿½ 2.4G:

ï¿½ IEEE 802.11n: 6.5 Mbps to 300 Mbps
ï¿½ IEEE 802.11b: 1, 2, 5.5, 11 Mbps
ï¿½ IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

ï¿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

ï¿½ 2.4GHz radio: 2400 – 2483.5MHz
ï¿½ 5GHz radio: 5150 - 5850MHz
ï¿½ *Not all frequency bands can be used in all regions

Channel Bandwidth

ï¿½ 2.4G: 20 and 40 MHz
ï¿½ 5G: 20, 40 and 80 MHz

Wi-Fi and System Security

ï¿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

ï¿½ 2×2:2 2.4GHz (MIMO)
ï¿½ 2×2:2 5GHz (MU-MIMO)

Maximum TX Power

ï¿½ 2.4G: 23dBm
ï¿½ 5G: 24dBm
ï¿½ *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

ï¿½ 2.4G:

ï¿½ 802.11b: -96dBm@1Mbps, -88dBm@11Mbps;
ï¿½ 802.11g: -93dBm @6Mbps, -75dBm@54Mbps;
ï¿½ 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7;

ï¿½ 5G:

ï¿½ 802.11a: -92dBm @6Mbps, -74dBm @54Mbps;
ï¿½ 802.11n: 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7
ï¿½ 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40: -63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9;

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SSIDs

ï¿½ 16 SSIDs total, 8 per radio (2.4ghz and 5 ghz)

Concurrent Clients

ï¿½ Up to 100 concurrent clients

Network Interfaces

ï¿½ 1x Gigabit SFP WAN port, 4x Gigabit Ethernet ports (WAN/LAN configurable)

Auxiliary Ports

ï¿½ 1x USB 2.0 port, 1x Reset Pinhole

Mounting

ï¿½ Desktop and wall mounting

LEDs

ï¿½ 1 tri-color LED and 7x single-color LEDs for device tracking and status indication

Network Protocols

ï¿½ IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

ï¿½ 802.11e/WMM, VLAN, TOS

Firewall

ï¿½ DDNS, Port Forwarding, DMZ, UPnP, Anti-DoS, traffic rules, NAT, ALG

VPN

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

Network Management

ï¿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 & Green Energy Efficiency

ï¿½ Universal power adaptor included:

ï¿½ Input 100-240VAC 50-60Hz

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ï¿½ Output: 12VDC 1A (12W);

Environmental

ï¿½ Operation: 0°Cto 50°C
ï¿½ Storage: -10°C to 60°C
ï¿½ Humidity: 10% to 90% Non-condensing

Physical

ï¿½ Unit Dimension without antennas: 205mm(L)x130mm(W)x35.5mm(H);
ï¿½ Unit Dimension with antennas of 90°: 235.5mm(L)x145mm(W)x192mm(H); Unit Weight: 375g
ï¿½ Entire Package Dimension: 250mm(L)x251.5mm(W)x56mm(H); Entire Package Weight: 740g

Package Content

ï¿½ GWN7052F Router
ï¿½ Universal Power Supply
ï¿½ Network Cable
ï¿½ Quick Installation Guide

Compliance

ï¿½ FCC
ï¿½ CE
ï¿½ RCM
ï¿½ IC
ï¿½ UKCA

Price: £51.75