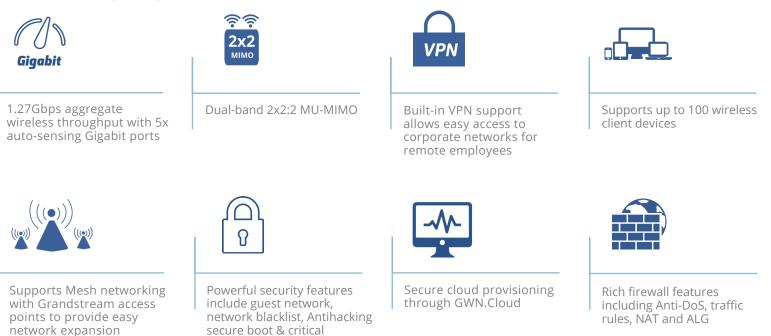GWN7052

Wi Fi®
CERTIFIED

GWN7052F

Dual-Band Wi-Fi Router
GWN7052 • GWN7052F

The GWN7052/GWN7052F is a secure dual-band router powered by 802.11ac Wi-Fi technology. Ideal for small offices, home offices and remote workers, the GWN7052/GWN7052F provides dual-band 2 ×2 MU-MIMO and supports wireless Mesh networking and wired AP connections. Powered by a dual-core 880MHz processor, the GWN7052/GWN7052F 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. The GWN7052/GWN7052F also provides enterprise-grade security features to ensure secure Wi-Fi and VPN access, including unique security certificates and random default passwords. By supporting triple-play, different services such as Internet, IPTV and VoIP can be assigned with different VLANs and priorities. To ensure easy installation and management, the GWN7052/GWN7052F includes a built-in controller embedded within the product's web user interface. It is also supported by GWN.Cloud (coming soon), Grandstream's free cloud Wi-Fi management platform. By combining accelerated Wi-Fi speeds, mesh networking and wired AP connections with advanced features including VPN and advanced QoS, the GWN7052/GWN7052F is the ideal router for a growing a home and small business network.

Gigabit

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

2x2 MIMO

Dual-band 2x2:2 MU-MIMO

VPN

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

Supports up to 100 wireless 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

Secure cloud provisioning through GWN.Cloud

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

	GWN7052	GWN7052F
Memory and NAT Sessions	128MB RAM, 30K NAT sessions	256MB RAM, 60K NAT sessions
NAT Routing & IPSec VPN Performance	1Gbps NAT routing and 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 **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	2×2:2 2.4GHz (MIMO) 2×2:2 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; 802.11 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, 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	• IPsec VPN Client-to-Site /Site-to-Site • PPTP VPN Server /Client • L2TP Client-to-Site • OpenVPN® Server/Client • WireGuard® • IPSec Encryption: DES, 3DES, AES • IPSec Authentication: MD5, SHA-1, SHA2-256 • IPSec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14 • IPSec Protocols: ESP • IPSecNAT Traversal • OpenVPN® Encryption: AES, DES • OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384,SHA2-512 • OpenVPN® Certificate: RSA • PPTP Encrpytion: MPPE 40-bit, 128-bit,IPSec • PPTP/L2TP Authentication: MS-CHAPv1/2	
Max Concurrent VPN Tunnels	Up to 25 Tunnels	Up to 50 Tunnels

	GWN7052	GWN7052F
Network Management	• GWN7052 embedded controller can manage itself and up to 30 APs • GWN.Cloud offers a free cloud management platform for unlimited GWN7052 routers and GWN APs • SSH for CLI • TR-069 • SNMP v1/v2c/v3 • Telnet (pending)	• 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 • SSH for CLI • TR-069 • SNMP v1/v2c/v3 • Telnet (pending)
Power & Green Energy Efficiency	Universal power adaptor included: 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	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	GWN7052/GWN7052F Router, Universal Power Supply, Network Cable, Quick Installation Guide	
Compliance	FCC, CE, RCM, IC, UKCA	