



GRANDSTREAM

CONNECTING THE WORLD



GWN7052



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 2x2 MU-MIMO and supports wireless Mesh networking and wired AP connections. Powered by a dual-core 880 MHz 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 meetings, video conferencing, 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. With triple-play support, different services such as Internet, IPTV and VoIP can be assigned to 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 home and small business network.



Gigabit

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



Dual-band 2x2:2 MU-MIMO



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 a guest network, a network blocklist, anti-hacking secure boot, and critical data/control lockdown via digital signatures



Secure cloud provisioning through GDMS Networking



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

	GWN7052	GWN7052F
Memory and NAT Sessions	128 MB RAM, 30K NAT sessions	256 MB RAM, 60K NAT sessions
NAT Routing & IPSec VPN Performance	1 Gbps NAT routing and 300 Mbps IPSec VPN performance	
Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac	
Antennas	4 individual external antennas, 2 per band 2.4 GHz: 5.0 dBi gain 5 GHz: 5.0 dBi gain	
Wi-Fi Data Rates	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 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 <i>*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</i>	
Frequency Bands	2.4 GHz Radio: 2,400–2,483.5 MHz 5 GHz Radio: 5,150–5,850 MHz <i>*Not all frequency bands can be used in all regions</i>	
Channel Bandwidth	2.4 GHz: 20 and 40 MHz 5 GHz: 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	2.4 GHz: 2×2:2 MIMO 5 GHz: 2×2:2 MU-MIMO	
Maximum TX Power	2.4 GHz: 24 dBm 5 GHz: 22 dBm <i>*Maximum power varies by country, frequency band and MCS rate</i>	
Receiver Sensitivity	2.4 GHz 802.11b: -96 dBm@1 Mbps, -88 dBm@11 Mbps 802.11g: -93 dBm@6 Mbps, -75 dBm@54 Mbps 802.11n 20 MHz: -73 dBm@MCS7; 802.11n 40 MHz: -70 dBm@MCS7 5 GHz 802.11a: -92 dBm@6 Mbps, -74 dBm@54 Mbps 802.11n 20 MHz: -73 dBm@MCS7; 802.11n 40 MHz: -70 dBm@MCS7 802.11ac 20 MHz: -67 dBm@MCS8; 802.11ac 40 MHz: -63 dBm@MCS9; 802.11ac 80 MHz: -59 dBm@MCS9	
SSIDs	16 SSIDs total, 8 per radio (2.4 GHz and 5 GHz)	
Concurrent Clients	Up to 100 concurrent clients	
Network Interfaces	1 × Gigabit Ethernet WAN port and 4 × Gigabit Ethernet LAN ports	1 × Gigabit SFP WAN port, 4 × Gigabit Ethernet ports (WAN/LAN configurable)
Auxiliary Ports	1 × USB 2.0 port, 1 × Reset Pinhole	
Mounting	Desktop and wall mounting	
LEDs	1 tri-color LED and 7 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 adapter included: Input: 100–240 VAC, 50–60 Hz Output: 12 VDC, 1 A (12 W)	
Environmental	Operating Temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage Temperature: -10 °C to 60 °C (14 °F to 140 °F) Humidity: 10% to 90%, non-condensing	
Physical	Unit Dimensions (without antennas): 205 mm × 130 mm × 35.5 mm (8.07" × 5.12" × 1.40")(L × W × H) Unit Dimensions (with antennas at 90°): 235.5 mm × 145 mm × 192 mm (9.27" × 5.71" × 7.56")(L × W × H) Unit Weight: 375 g (0.83 lb) Package Dimensions: 250 mm × 251.5 mm × 56 mm (9.84" × 9.90" × 2.20")(L × W × H) Package Weight: 740 g (1.63 lb)	
Package Content	GWN7052/GWN7052F Router, Universal Power Supply, Network Cable, Quick Installation Guide	
Compliance	FCC, CE, RCM, IC, UKCA	