Dual-Band Wi-Fi Router

GWN7052

The GWN7052 is a secure dual-band router powered by 802.11ac Wi-Fi technology. Ideal for small offices, home offices and remote workers, the GWN7052 provides dual-band 2 ×2 MU-MIMO and supports wireless Mesh networking and wired AP connections. It features a dual-core 880MHz processor to provide Wi-Fi speeds of up to 1.266 Gbps to 100 wireless devices, allowing the GWN7052 to power smart office and home automation, smooth 4K Ultra HD streaming, web meetings, video conferences, 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 also provides enterprise-grade security features to ensure secure Wi-Fi and VPN access, including unique security certificates and random default passwords. To ensure easy installation and management, the GWN7052 includes a built-in controller embedded within the product's web user interface. It is also supported by GWN.Cloud, 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 is the ideal router for a growing home and business network.

Gigabit	**2x2 MIMO**	**VPN**	
1.266Gbps aggregate wireless throughput with 5x 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 & wired AP connection to provide easy network expansion	Powerful security features include guest network, network blacklist, Anti-hacking 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

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 2×2:2 5GHz
Maximum TX Power	5G: 23dBm 2.4G: 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 Wireless Clients	Up to 100 wireless clients
Network Interfaces	5x autosensing 10/100/1000 Ports, including 1 WAN, 4 LANs
Auxiliary Ports	1x USB 2.0 port, 1x Reset Pinhole
Mounting	Desktop
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, OpenVPN Server: IPSec, OpenVPN
Network Management	GWN7052 embedded controller can manage itself and up to 30 GWN APs GWN.Cloud offers a free cloud management platform for unlimited GWN7052 routers and GWN APs
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 Router, Universal Power Supply, Network Cable, Quick Installation Guide
Compliance	FCC, CE, RCM, IC, UKCA