



## 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 x 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

1.27Gbps 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 with Grandstream access points 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

<b>Wi-Fi Standards</b>	IEEE 802.11 a/b/g/n/ac
<b>Antennas</b>	4 individual external antennas, 2 per band 2.4GHz, gain 5.0dBi 5 GHz, gain 5.0dBi
<b>Wi-Fi Data Rates</b>	<b>5G:</b> 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 <b>2.4G:</b> IEEE 802.11n: 6.5 Mbps to 300 Mbps, 400Mbps with 256-QAM on 2.4Ghz IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 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>
<b>Frequency Bands</b>	2.4GHz radio: 2400 – 2483.5MHz 5GHz radio: 5150 - 5850MHz <i>*Not all frequency bands can be used in all regions</i>
<b>Channel Bandwidth</b>	2.4G: 20 and 40 MHz 5G: 20, 40 and 80 MHz
<b>Wi-Fi and System Security</b>	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
<b>MIMO</b>	2x2:2 2.4GHz 2x2:2 5GHz
<b>Maximum TX Power</b>	5G: 23dBm 2.4G: 24dBm <i>*Maximum power varies by country, frequency band and MCS rate</i>
<b>Receiver Sensitivity</b>	<b>2.4G</b> 802.11b: -96dBm@1Mbps, -88dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7 <b>5G</b> 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;
<b>SSIDs</b>	16 SSIDs total, 8 per radio (2.4ghz and 5 ghz)
<b>Concurrent Wireless Clients</b>	Up to 100 wireless clients
<b>Network Interfaces</b>	5x autosensing 10/100/1000 Ports, including 1 WAN, 4 LANs
<b>Auxiliary Ports</b>	1x USB 2.0 port, 1x Reset Pinhole
<b>Mounting</b>	Desktop and wall mounting
<b>LEDs</b>	1 tri-color LED and 7x single-color LEDs for device tracking and status indication
<b>Network Protocols</b>	IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM
<b>QoS</b>	802.11e/WMM, VLAN, TOS
<b>Firewall</b>	DDNS, Port Forwarding, DMZ, UPnP, Anti-DoS, traffic rules, NAT, ALG
<b>VPN</b>	Client: L2TP, PPTP, IPSec, OpenVPN Server: IPSec, OpenVPN
<b>Network Management</b>	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
<b>Power &amp; Green Energy Efficiency</b>	Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 12VDC 1A (12W);
<b>Environmental</b>	Operation: 0°C to 50°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensing
<b>Physical</b>	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
<b>Package Content</b>	GWN7052 Router, Universal Power Supply, Network Cable, Quick Installation Guide
<b>Compliance</b>	FCC, CE, RCM, IC, UKCA