



# Wi-Fi 6 Dual-Band Router

## GWN7062

The GWN7062 is a secure dual-band router powered by the latest Wi-Fi 6 (802.11ax) technology. Ideal for small offices, home offices and remote workers, the GWN7062 provides dual-band 2x2 MU-MIMO with DL/UL OFDMA technology and supports wireless Mesh networking and wired AP connections. It features a powerful 64-bit 1.2GHz quad-core processor to provide Wi-Fi speeds up to 1.77 Gbps with up to 256 wireless devices, allowing the GWN7062 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 GWN7062 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 GWN7062 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 beamforming technology the GWN7062 is the ideal router for a growing home and business network.



Powered by Wi-Fi 6 (802.11ax) standard with up to 1.77Gbps wireless throughput



Dual-band 2x2:2 MU-MIMO with DL/UL OFDMA technology



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



Supports up to 256 concurrent 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/ax
<b>Antennas</b>	4 individual internal antennas, 2 per band 2.4GHz: maximum gain 4.5dBi 5 GHz: maximum gain 5dBi
<b>Wi-Fi Data Rates</b>	<b>5G:</b> IEEE 802.11ax: 7.3 Mbps to 1201 Mbps 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 802.11ax: 7.3 Mbps to 573.5 Mbps 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 <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 – 2483.5 MHz (2412-2472MHz are channel central frequency range; 2400-2483.5MHz is Frequency band) 5GHz radio: 5150 - 5850 MHz <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>MU-MIMO</b>	2x2:2 2.4GHz 2x2:2 5GHz
<b>Maximum TX Power</b>	5G: 26dBm 2.4G: 27dBm <i>*Maximum power varies by country, frequency band and MCS rate</i>
<b>Receiver Sensitivity</b>	<b>2.4G</b> 802.11b: -97dBm@1Mbps, -89dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11 <b>5G</b> 802.11a: -93dBm @6Mbps, -75dBm @54Mbps; 802.11n: 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7 802.11ac 20MHz: -70dBm@MCS8; 802.11ac: HT40:- 66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -61dBm @MCS11;802.11ax 80MHz: -58dBm @MCS11
<b>Memory and NAT Sessions</b>	512MB RAM, 120K NAT sessions
<b>NAT Routing &amp; IPsec VPN Performance</b>	2 Gbps NAT routing and 850Mbps IPsec VPN performance
<b>SSIDs</b>	32 SSIDs total, 16 per radio (2.4GHz & 5GHz)
<b>Concurrent Wireless Clients</b>	Up to 256 wireless clients
<b>Network Interfaces</b>	1x Gigabit Ethernet WAN port, 1x Gigabit Ethernet port (WAN/LAN configurable), and 3x Gigabit Ethernet LAN ports
<b>Auxiliary Ports</b>	1x USB 3.0 port, 1x Reset button, 1x SYNC button
<b>Mounting</b>	Desktop
<b>LEDs</b>	1 tri-color LED and 7 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>Firewall</b>	DDNS, Port Forwarding, DMZ, UPnP, Anti-DoS, traffic rules, NAT, ALG
<b>VPN</b>	<ul style="list-style-type: none"> <li>• IPsec VPN Client-to-Site /Site-to-Site</li> <li>• PPTP VPN Server /Client</li> <li>• L2TP Client-to-Site</li> <li>• OpenVPN® Server/Client</li> <li>• WireGuard®</li> <li>• IPsec Encryption: DES, 3DES, AES</li> <li>• IPsec Authentication: MD5, SHA-1, SHA2-256</li> <li>• IPsec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14</li> <li>• IPsec Protocols: ESP</li> <li>• IPsecNAT Traversal</li> <li>• OpenVPN® Encryption: AES, DES</li> <li>• OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384,SHA2-512</li> <li>• OpenVPN® Certificate: RSA</li> <li>• PPTP Encrpytion: MPPE 40-bit, 128-bit,IPsec</li> <li>• PPTP/L2TP Authentication: MS-CHAPv1/2</li> </ul>
<b>Max Concurrent VPN Tunnels</b>	Up to 100 Tunnels

<b>Network Management</b>	<ul style="list-style-type: none"> <li>• GWN7062 embedded controller can manage itself and up to 30 APs</li> <li>• GWN.Cloud offers a free cloud management platform for unlimited GWN7062 routers and GWN APs</li> <li>• SSH for CLI</li> <li>• TR-069</li> <li>• SNMP v1/v2c/v3</li> <li>• Telnet (pending)</li> </ul>
<b>Power and Green Energy Efficiency</b>	Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 12VDC 1.5A (18W);
<b>Environmental</b>	Operation: 0°C to 50°C Storage: -30°C to 60°C Humidity: 10% to 90% Non-condensing
<b>Physical</b>	Unit Dimension: 95mm(L)x95mm(W)x193mm(H); Unit Weight: 690g Entire Package Dimension: 286mm(L)x126.5mm(W)x105mm(H); Entire Package Weight: 960g
<b>Package Content</b>	GWN7062 Router, Universal Power Supply, Network Cable, Quick Installation Guide
<b>Compliance</b>	FCC, CE, RCM, IC, UKCA