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 2×2 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. 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, beamforming technology and intelligent QoS, 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 (coming soon)

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

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
Antennas	4 individual internal antennas, 2 per band 2.4GHz: maximum gain 4.5dBi 5 GHz: maximum gain 5dBi
Wi-Fi Data Rates	**5G:** 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 **2.4G:** 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 *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 – 2483.5 MHz (2412-2472MHz are channel central frequency range; 2400-2483.5MHz is Frequency band) 5GHz radio: 5150 - 5850 MHz *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
MU-MIMO	2×2:2 2.4GHz 2×2:2 5GHz
Coverage Range	Up to 175 meters *coverage range can vary based on environment*
Maximum TX Power	5G: 26dBm 2.4G: 27dBm *Maximum power varies by country, frequency band and MCS rate*
Receiver Sensitivity	**2.4G** 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 **5G** 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
Memory and NAT Sessions	512MB RAM, 120K NAT sessions
NAT Routing & IPSec VPN Performance	2 Gbps NAT routing and 850Mbps IPSec VPN performance
SSIDs	32 SSIDs total, 16 per radio (2.4GHz & 5GHz)
Concurrent Wireless Clients	Up to 256 wireless clients
Network Interfaces	1x Gigabit Ethernet WAN port, 1x Gigabit Ethernet port (WAN/LAN configurable), and 3x Gigabit Ethernet LAN ports
Auxiliary Ports	1x USB 3.0 port, 1x Reset button, 1x SYNC button
Mounting	Desktop
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	Client: L2TP, PPTP, IPSec, OpenVPN Server: IPSec, OpenVPN
Network Management	GWN7062 embedded controller can manage it self and up to 50 GWN Aps GWN.Cloud offers a free cloud management platform for unlimited GWN7062 routers and GWN APs (coming soon)
Power and Green Energy Efficiency	Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 12VDC 1.5A (18W);
Environmental	Operation: 0°Cto 50°C Storage: -30°C to 60°C Humidity: 10% to 90% Non-condensing
Physical	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
Package Content	GWN7062 Router, Universal Power Supply, Network Cable, Quick Installation Guide
Compliance	FCC, CE, RCM, IC, UKCA

09.2022.03