GRANDSTREAM
CONNECTING THE WORLD



High-Performance Wi-Fi 6 Router

GWN7062M

The GWN7062M is a dual-band AX3000 secure router based on the Wi-Fi 6 (802.11ax) technology. The GWN7062M features one 2.5G combo SFP/RJ45 port and one WAN/LAN auto-sensing port, enabling flexible network expansion. This router is equipped with a powerful 1.3 GHz dual-core processor, delivering up to 3 Gbps Wi-Fi speeds and supporting simultaneous connections for up to 256 wireless devices. This allows the GWN7062M to provide robust support for applications such as smart offices, home automation, smooth 4K ultra-high-definition streaming, network meetings, video conferences, and online gaming. The GWN7062M supports wireless mesh networking with multiple Grandstream devices, expanding Wi-Fi coverage and enabling seamless roaming. It also supports various VPNs, providing secure and dedicated network connections for remote workers. Advanced parental controls, intelligent security firewalls, and multiple encryption methods ensure the security of the router, clients, and user information at all times. The GWN7062M supports multiple management methods, including a local web user interface, GDMS Networking, and GWN Manager, Grandstream's cloud and on-premise network management platforms. Additionally, you can use the Grandstream Home app, Grandstream's mobile unified device management platform, to easily manage your home network and devices. The GWN7062M router also supports intelligent QoS, which is used to maintain smooth network operation, and other advanced features, making it an ideal router for evolving homes, small offices, and commercial network environments.

Powered by Wi-Fi 6 (802.11ax) standard with up to 3 Gbps wireless throughput

3x3 MIMO

Dual-band 2.4 GHz 2×2:2 and 5 GHz 3×3:2 MU-MIMO technology

VPN

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

Supports up to 256 concurrent wireless client devices

Easily manage your devices with the Grandstream Home app, a unified mobile management platform

Powerful security features include guest network, network blocklist, Anti-hacking secure boot & critical data/control, lockdown via digital signatures, and more

Rich firewall features including DoS, blocklist and URL content filtering

Supports mesh networking with Grandstream routers to provide easy network expansion

Hardware Specifications

Radio	**Antennas**	5 single frequency antennas: 2.4 GHz: gain 5 dBi 5 GHz: gain 5 dBi
	MU-MIMO	2.4 GHz: 2×2:2, MIMO 5 GHz: 3×3:2, MIMO
	Frequency Bands	2.4 GHz radio: 2,400–2,483.5 MHz 5 GHz radio: 5,150–5,895 MHz **Not all frequency bands can be used in all regions*
	Channel Bandwidth	HT20/40, VHT20/40/80, HE20/40/80/160
	Wi-Fi Data Rates	**5 GHz:** IEEE 802.11ax: 7.3 Mbps to 2402 Mbps IEEE 802.11ac: 6.5 Mbps to 1732 Mbps IEEE 802.11n: 6.5 Mbps to 300 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps **2.4 GHz:** 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*
	Maximum TX Power	2.4 GHz: 24 dBm 5 GHz: 26 dBm **Maximum power varies by country, frequency band and MCS rate*
	Receiver Sensitivity	**2.4 GHz** 802.11b: -96 dBm@1 Mbps, -88 dBm@11 Mbps 802.11g: -93dBm@6 Mbps, -75 dBm@54 Mbps 802.11n 20 MHz: -73 dBm@MCS7 802.11n 40 MHz: -70 dBm@MCS7 802.11ax 20 MHz: -60 dBm@MCS11 802.11ax 40 MHz: -58 dBm@MCS11 **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 802.11ax 20 MHz: -60 dBm@MCS11 802.11ax 40 MHz: -58 dBm@MCS11 802.11ax 80 MHz: -56 dBm@MCS11 802.11ax 160 MHz: -52 dBm@MCS11
	Coverage Range	Up to 150 m² (1,614.59 ft²) **Coverage range may vary based on environment*
Interfaces	**Network Ports**	1 × 2.5G Combo SFP/RJ45 Ethernet WAN 1 × Auto-sensing 1G (10/100/1000Mbps) Ethernet WAN/LAN, RJ-45 1 × 2.5G Ethernet LAN, RJ-45 2 × 1G Ethernet LAN, RJ-45
	Other Interfaces	1 × USB 2.0 Port, 1 × Reset pinhole, 1 × SYNC button, 1 × Power port
LED	**System LED**	1 tri-color LED and 8 single-color LEDs
Power	**Maximum Power Consumption**	18 W
Physical	**Dimensions**	Unit Dimensions: 205 mm × 130 mm × 35.5 mm (8.07” × 5.12” × 1.40”)(L × W × H) Entire Package Dimensions: 356 mm × 309.5 mm × 62 mm (14.02” × 12.19” × 2.44”)(L × W × H)
	Weight	Unit Weight: 400 g (0.88 lb) Entire Package Weight: 855 g (1.88 lb)
	Mounting	Desktop or indoor wall mount
	Package Content	GWN7062M router, Power Adapter, Ethernet Cable, Quick Installation Guide
Environmental	**Temperature**	Operating Temperature: 0 °C to 45 °C (32 °F to 113 °F) Storage Temperature: -30 °C to 60 °C (-22 °F to 140 °F)
	Humidity	10%–90% (RH), non-condensing
Certification	**Compliance**	FCC, CE, RCM, IC

Software Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
SSIDs	• 4 host SSIDs + 1 guest SSID • Restricts access and improve wireless network security by SSID hiding • Dynamically assigns radio power and channel
Client Capacity	Up to 256 clients
Working Mode	• Router Mode • Wireless Bridge Mode • Wireless Relay Mode
Mesh	Supports mesh networking with up to 3 nodes (compatible with GWN7062E, GWN7062ET, GWN7062M, and GWN7660EM)
WAN	• Internet connection type: Static IP/DHCP/PPPoE/PPTP/L2TP • Supports Dual WAN and Failover/Load Balance policy
LAN	• DHCP Server • Manually bind IP address • Supports VLAN and assigning VLAN to port
ISP	• Supports IGMP • Supports IPTV/VoIP/Triple Play • Supports customised settings for WAN-side VLAN
VPN	Supports up to 8 VPN tunnels in total: • L2TP Client • PPTP Client • IPSec Site-to-Site & Client-to-Site • OpenVPN® Server • WireGuard® Site-to-Site & Client-to-Site
Encryption	• Open System • WPA2 • WPA3 • WPA3-192 • WPA/WPA2, WPA2/WPA3 • Anti-Hacking Secure Boot • Critical Data and Control Lockdown via Digital Signature • Unique Security Certificate and Random Default Password per Device
Parental Control	• Safe Search • Customized Internet Schedule • Up to 32 Parental Control Clients • Website Filtering • App Filtering • URL Blocklist
QoS	• Support 8 queues with multiple traffic priority and bandwidth • App QoS • QoS rules
Traffic Statistics	• Application monitoring and traffic statistics with DPI • Analysis Period : Daily, Weekly, Monthly
Firewall	• DoS attack defense • Blocklist
NAT	• DDNS • Port Forwarding • DMZ • UPnP
Content Control	• URL filtering • URL Classification filtering • App Filtering
Access Control	Supports configuring WAN-side access status and authorized IP addresses
Captive Portal	Supports social login, vouchers, and password authentication
USB Application	• Supports USB LTE dongle device as USB WAN • Supports USB printer and newtwork printing • Supports USB storage device and file sharing
Maintenance	• Configuration Backup and Restore • Diagnosis Tools • Feedback System • System Log • Intelligence Detection • Auto Firmware Update
Management	• Local web UI provides device and mesh node management • GDMS (Networking) offers a free cloud management platform for unlimited GWN Routers • GWN Manager offers premise-based software controller • Grandstream Home app offers unified mobile management platform for easy control • TR-069