



High-Performance Wi-Fi 6 Router

GWN7062M

The GWN7062M is a dual-band AX3000 secure router based on the latest Wi-Fi 6 (802.11 ax) technology. The GWN7062M features one 2.5G combo SFP/RJ45 port and one WAN/LAN autosensing port, enabling flexible network expansion. This router is equipped with a powerful 1.3GHz dual-core processor, delivering up to 3Gbps Wi-Fi speeds and supporting simultaneous connections for up to 256 wireless devices, allowing 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 platform. 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 used to maintain smooth network operation, and other advanced features, making it an ideal router for evolving home, small office, and commercial network environments.



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



Dual-band 2.4G 2x2:2 and 5G 3x3:2 MU-MIMO with technology



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



Supports up to 256 concurrent wireless client devices



Grandstream Home App, Grandstream's mobile unified device 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	Antenna	5 single frequency antennas: 2.4 GHz: gain5dBi 5GHz: gain5dBi
	MU-MIMO	2.4GHz: 2x2:2, MIMO 5GHz: 3x3:2, MIMO
	Frequency Bands	2.4GHz radio: 2400 - 2483.5MHz. 5GHz radio: 5150 - 5895MHz <i>*Not all frequency bands can be used in all regions</i>
	Channel Bandwidth	HT20/40, VHT20/40/80, HE20/40/80/160
	Wi-Fi Data Rates	5G: IEEE 802.11ax: 7.3 Mbps to 2402 Mbps IEEE 802.11ac: 6.5 Mbps to 1732 Mbps IEEE 802.11n: 6.5Mbps to 300Mbps 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: 6.5Mbps to 300Mbps 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>
	Maximum TX Power	2.4G: 24 dBm 5G: 26 dBm <i>*Maximum power varies by country, frequency band and MCS rate</i>
	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; 802.11ax 20MHz: -60dBm@MCS11; 802.11ax 40MHz: -58dBm@MCS11; 5G 802.11a: -92dBm@6Mbps, -74dBm@54Mbps; 802.11n 20MHz: -73dBm@MCS7; 802.11n 40MHz: -70dBm@MCS7; 802.11ac 20MHz: -67dBm@MCS8; 802.11ac 40MHz: -63dBm@MCS9; 802.11ac 80MHz: -59dBm@MCS9; 802.11ax 20MHz: -60dBm@MCS11; 802.11ax 40MHz: -58dBm@MCS11; 802.11ax 80MHz: -56dBm@MCS11; 802.11ax 160MHz: -52dBm@MCS11;
	Coverage Range	150 square meter <i>*Coverage range can vary based on environment</i>
Interfaces	Network Ports	1x 2.5G Combo SFP/RJ45 Ethernet WAN 1x autosensing 10/100/1000Mbps Ethernet WAN/LAN, RJ-45 1x 2.5G Ethernet LAN, RJ-45 2x 1G Ethernet LAN, RJ-45 1x USB 2.0 Port
	LEDs	1 tri-color LED and 8x single-color LEDs
	Auxiliary Ports	1x Reset Pinhole, 1x SYNC, 1x POWER
Power	Maximum Power Consumption	18W
Physical	Dimension	Unit: 205mm(L) x 130mm(W) x 35.5mm(H) Entire Package: 356mm(L) x 309.5mm(W) x 62mm(H)
	Weight	Unit: 400g Entire Package: 855g
	Mounting	Desktop or indoor wall mount
	Package Content	GWN7062M router, Power Adapter, Ethernet Cable, Quick Installation Guide
Environmental	Temperature	Operation: 0°C to 45°C Storage: -30°C to 60°C
	Humidity	10% to 90% Non-condensing
Compliance	FCC, CE, RCM, IC	

Software Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
SSIDs	<ul style="list-style-type: none"> • 4 host SSIDs+1 guest SSID • Restrict access and improve wireless network security by SSID hiding • Dynamically assign radio power, channel
Concurrent Wireless Clients	Up to 256 clients
Working Mode	<ul style="list-style-type: none"> • Router Mode • Wireless Bridge Mode • Wireless Relay Mode
MESH	Supports Mesh networking with up to 3 GWN7062M/GWN7062E/GWN7062ET/GWN7660EM devices
WAN	<ul style="list-style-type: none"> • Internet connection Type: Static IP/DHCP/PPPoE/PPTP/L2TP • support Dual WAN and Failover/Load Balance policy
LAN	<ul style="list-style-type: none"> • DHCP Server • Manually bind IP address • Supports VLAN and assigning VLAN to port
ISP	<ul style="list-style-type: none"> • Supports IGMP • Supports IPTV/VoIP/Triple Play • Supports customised settings for WAN-side VLAN
VPN	Supports 8 VPN tunnel total: <ul style="list-style-type: none"> • L2TP Client • PPTP Client • IPSec Site-to-Site & Client-to-Site • OpenVPN® Server • WireGuard® Site-to-Site & Peer-to-Site
Encryption	Open system WPA/WPA2 WPA2 WPA2/WPA3 WPA3 WPA3-192 Anti-hack security boot and critical data/control lockdown via digital signatures unique security certificate and random default password per device
Parental Control	<ul style="list-style-type: none"> • Safe Search • Customized Internet Schedule • UP to 32 Parental Control Clients • Website Filtering • APP Filtering • URL Blocklist
QoS	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • URL filtering • URL Classification filtering • APP Filtering
Access Control	Supports setting WAN side access status and allowing access to IP addresses
Captive Portal	Support social login/vouchers/password authentication
USB Application	<ul style="list-style-type: none"> • Supports USB LTE dongle device as USB WAN • Supports USB printer and network printing • Supports USB storage device and file sharing
Maintenance	<ul style="list-style-type: none"> • Configuration Backup and Restore • Diagnosis tools • Feedback System • System Log • Intelligence Detection • Auto Firmware Update
Management Platform	<ul style="list-style-type: none"> • Embedded controller can manage itself and Mesh Node • 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