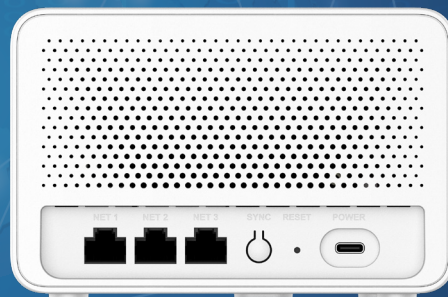




GRANDSTREAM  
CONNECTING THE WORLD



## Wi-Fi 6 Router

### GWN7062E

The GWN7062E is a secure dual-band AX3000 router powered by the latest Wi-Fi 6 (802.11ax) technology. Ideal for SOHO and remote work, the GWN7062E delivers high-performance 2.4 GHz 2x2:2 and 5 GHz 3x3:2 MU-MIMO. Featuring XTRA Range technology and beamforming, it maximizes throughput and expands coverage with seamless wireless Mesh support. It features a powerful 1.3 GHz dual-core processor to provide Wi-Fi speeds up to 3 Gbps with up to 128 wireless devices, allowing the GWN7062E to power smart office and home automation, smooth 4K Ultra HD streaming, web meetings, video conferences, online gaming and more. It offers high-performance routing and switching power along with built-in VPN support for secure in-office and inter-office connectivity. Moreover, it provides parental controls to manage access schedules and block inappropriate content, with activity insights to help keep your family safe online. With support for guest networks, multiple security modes and encryption methods, your Wi-Fi connection remains secure. Furthermore, the intuitive local web UI and the convenience of GDMS, GWN Manager, GWN app and Grandstream Home app ensure simpler deployment. By combining accelerated Wi-Fi speeds, with advanced features including VPN and intelligent QoS, the GWN7062E is the ideal router for a growing home, small offices, business network and more.



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



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



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



Supports up to 128 concurrent wireless client devices



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



Provides robust security features, including user permission management, guest networks, network blocklists, and data protection



Rich firewall features including DoS, blocklist and URL content filtering



Up to 16 mesh nodes with easy configuration and flexible expansion

## Hardware Specifications

|               |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radio         | Antennas                  | 1 x 5 GHz: Maximum gain 3.4 dBi<br>2 x 2.4 GHz&5 GHz: Maximum gain 4.7 dBi for 2.4 GHz, 4.3 dBi for 5 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|               | MU-MIMO                   | 2x2: 2.4 GHz<br>3x3: 2.5 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               | Frequency Bands           | 2.4 GHz radio: 2,400–2,483.5 MHz.<br>5 GHz radio: 5,150–5,895 MHz<br><br><i>*Not all frequency bands can be used in all regions</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|               | Channel Bandwidth         | HT 20/40, VHT 20/40/80, HE 20/40/80/160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|               | Wi-Fi Data Rates          | <b>5G:</b><br>IEEE 802.11ax: 7.3 Mbps to 2,402 Mbps<br>IEEE 802.11ac: 6.5 Mbps to 1,732 Mbps<br>IEEE 802.11n: 6.5 Mbps to 300 Mbps<br>IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br><br><b>2.4G:</b><br>IEEE 802.11ax: 7.3 Mbps to 573.5 Mbps<br>IEEE 802.11n: 6.5 Mbps to 300 Mbps<br>IEEE 802.11b: 1, 2, 5.5, 11 Mbps<br>IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br><br><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<br>5G: 26 dBm<br><br><i>*Maximum power varies by country, frequency band and MCS rate</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ports         | Receiver Sensitivity      | <b>2.4G</b><br>802.11b: -96 dBm@1 Mbps, -88 dBm@11 Mbps;<br>802.11g: -93dBm@6 Mbps, -75 dBm@54 Mbps;<br>802.11n 20 MHz: -73 dBm@MCS7;<br>802.11n 40 MHz: -70 dBm@MCS7;<br>802.11ax 20 MHz: -60 dBm@MCS11;<br>802.11ax 40 MHz: -58 dBm@MCS11;<br><br><b>5G</b><br>802.11a: -92 dBm@6 Mbps, -74 dBm@54 Mbps;<br>802.11n 20 MHz: -73 dBm@MCS7;<br>802.11n 40 MHz: -70 dBm@MCS7;<br>802.11ac 20 MHz: -67 dBm@MCS8;<br>802.11ac 40 MHz: -63 dBm@MCS9;<br>802.11ac 80 MHz: -59 dBm@MCS9;<br>802.11ax 20 MHz: -60 dBm@MCS11;<br>802.11ax 40 MHz: -58 dBm@MCS11;<br>802.11ax 80 MHz: -56 dBm@MCS11;<br>802.11ax 160 MHz: -52 dBm@MCS11; |
|               | Network Ports             | 3 x auto-sensing 10/100/1,000 Mbps Ethernet WAN/LAN, RJ-45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|               | LEDs                      | 1 tri-color LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power         | Auxiliary Ports           | 1 x RESET Pinhole, 1 x SYNC, 1 x POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|               | Maximum Power Consumption | <b>USB Type-C power adapter included:</b><br>Input: 100–240 V, 50/60 Hz<br>Output: 5 V/3 A(15 W)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Physical      | Dimension                 | Unit Dimensions: 140 mm × 46 mm × 90 mm (5.51" × 1.81" × 3.54") (L × W × H)<br>Entire Package Dimensions: 176.5 mm × 170 mm × 72 mm (6.95" × 6.69" × 2.83") (L × W × H)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|               | Weight                    | Unit Weight: 185 g (0.41 lb)<br>Entire Package Weight: 465 g (1.03 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|               | Mounting                  | Desktop or indoor wall mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               | Package Content           | GWN7062E router<br>Power Adapter<br>Ethernet Cable<br>Quick Installation Guide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Environmental | Temperature               | Operation: 0 °C to 40 °C (32 °F to 104 °F)<br>Storage: -20 °C to 60 °C (-4 °F to 140 °F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | Humidity                  | 10%–90% (RH), non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Certification | Compliance                | FCC, CE, RCM, IC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Software Specifications

|                                    |                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Wi-Fi Standards</b>             | IEEE 802.11 a/b/g/n/ac/ax                                                                                                                                                                                                                                                                                                                   |
| <b>SSIDs</b>                       | 4 host SSIDs+1 guest SSID<br>Open/Personal/Enterprise Security Mode<br>Restricts access and improves wireless network security by SSID hiding<br>Dynamically assigns radio power and channel                                                                                                                                                |
| <b>Encryption</b>                  | WPA3-192, WPA3, WPA2/WPA3, WPA2, WPA/WPA2<br>Anti-hack security boot and critical data/control lockdown via digital signatures<br>Unique security certificate and random default password per device                                                                                                                                        |
| <b>Concurrent Wireless Clients</b> | Up to 128 clients                                                                                                                                                                                                                                                                                                                           |
| <b>Working Mode</b>                | Router Mode<br>Wireless Bridge Mode<br>Wireless Relay Mode                                                                                                                                                                                                                                                                                  |
| <b>Mesh</b>                        | Supports mesh networking with up to 16 nodes (compatible with GWN7062E, GWN7062ET, GWN7062M, and GWN7660EM)                                                                                                                                                                                                                                 |
| <b>WAN</b>                         | Internet connection Type: Static IP/DHCP/PPPoE/PPTP/L2TP<br>Supports Dual WAN and Failover/Load Balance policy<br>Built-in multiple DNS resolution services                                                                                                                                                                                 |
| <b>LAN</b>                         | DHCP Server<br>Manually bind IP address                                                                                                                                                                                                                                                                                                     |
| <b>ISP</b>                         | Supports IGMP<br>Supports IPTV/VoIP/Triple Play<br>Supports customized settings for WAN-side VLAN                                                                                                                                                                                                                                           |
| <b>VPN</b>                         | <b>Supports 1 VPN tunnel total:</b><br>L2TP Client<br>PPTP Client<br>IPSec Site-to-Site & Client-to-Site<br>OpenVPN® Server<br>WireGuard® Site-to-Site & Client-to-Site                                                                                                                                                                     |
| <b>Parental Control</b>            | Up to 32 Parental Control Clients<br>Customized Internet Schedule<br>Website Filtering/APP Filtering/URL Blocklist<br>Multi-dimensional Internet Usage Analysis                                                                                                                                                                             |
| <b>QoS</b>                         | Supports 8 queues with multiple traffic priority and bandwidth<br>App QoS<br>QoS rules                                                                                                                                                                                                                                                      |
| <b>Traffic Statistics</b>          | Application monitoring and traffic statistics with DPI<br>Analysis Period : Daily, Weekly, Monthly                                                                                                                                                                                                                                          |
| <b>Firewall</b>                    | DoS attack defense<br>Blocklist                                                                                                                                                                                                                                                                                                             |
| <b>NAT</b>                         | DDNS<br>Port Forwarding<br>DMZ<br>UPnP                                                                                                                                                                                                                                                                                                      |
| <b>Content Control</b>             | Safe Search<br>URL Filtering<br>URL Classification<br>App Filtering                                                                                                                                                                                                                                                                         |
| <b>Access Control</b>              | Supports multiple users<br>Supports custom permission templates<br>Supports configuring WAN-side access status and authorized IP addresses                                                                                                                                                                                                  |
| <b>Captive Portal</b>              | Supports social login, vouchers, password authentication                                                                                                                                                                                                                                                                                    |
| <b>Maintenance</b>                 | Configuration Backup and Restore<br>Diagnosis Tools<br>Feedback System<br>Intelligence Detection<br>Auto Firmware Update                                                                                                                                                                                                                    |
| <b>Management Platform</b>         | Local web UI provides device and mesh node management<br>GDMS offers a free cloud management platform for unlimited GWN routers<br>GWN Manager offers premise-based software controller<br>GWN app provides enterprise-level device management<br>Grandstream Home app offers unified mobile management platform for easy control<br>TR-069 |