GRANDSTREAM
CONNECTING THE WORLD



Wi Fi 7 CERTIFIED

GWN7672L

Tri-Band Wi-Fi 7 Access Point

The GWN7672L is a powerful enterprise-grade BE11000 tri-band Wi-Fi 7 access point, offering 2×2:2 MU-MIMO alongside DL/UL Enhanced OFDMA technology. By supporting core Wi-Fi 7 features, it maximizes network throughput and expands wireless coverage range for demanding environments. This model offers hybrid management flexibility through its local web UI or cloud-based platforms like GDMS Networking and GWN Manager. It is an ideal solution for medium wireless network deployments with medium-to-high user density.

Feature Highlights

Features 11 Gbps aggregate wireless throughput and 5 Gbps wired throughput.

PPSK

Supports up to 2,500 PPSK accounts for secure, individualized user access.

Delivers reliable connectivity across a vast 175-meter coverage range.

Integrates Wi-Fi 7 Certified connectivity with tri-band 2×2:2 MU-MIMO, supporting MLO, 4K QAM, MRU, and preamble puncturing.

Besides the intuitive local Web UI , you can manage APs via GDMS Networking and GWN Manager for comprehensive cloud and on-premises control.

Connects 384 Wi-Fi client devices simultaneously without compromising speed.

Application Scenarios

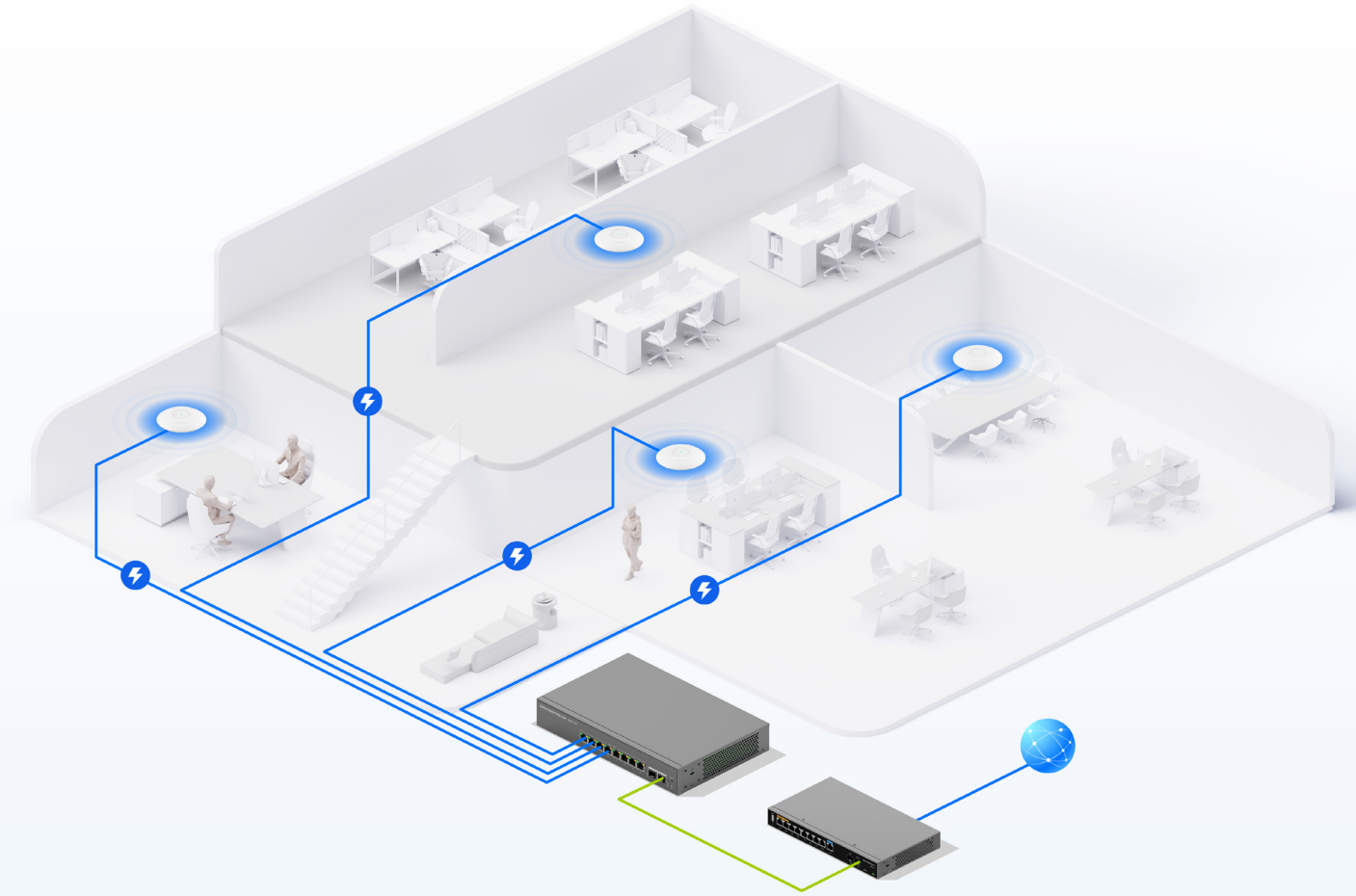
This model is purpose-built for superior indoor connectivity, delivering enterprise-grade performance for offices, retail spaces, and educational institutions.

It creates a high-performance mobile working environment for employees in medium and large offices without sacrificing speed. For retail, it enhances the customer experience and streamlines operations by providing robust, dedicated Wi-Fi for both guests and staff. In demanding educational environments, this model helps staff and students excel with rapid, reliable wireless connections.



Classic Deployment

Engineered for effortless integration into any network environment, the GWN7672L establishes a high-speed wired uplink to your routers and switches. Once connected, it serves as a powerful wireless hub, broadcasting a robust signal to provide high-performance Wi-Fi for all your critical client devices.



Up to 2,500 PPSKs

Provide users with unique passphrases for secure, multi-device access via PPSK authentication.



Captive Portal

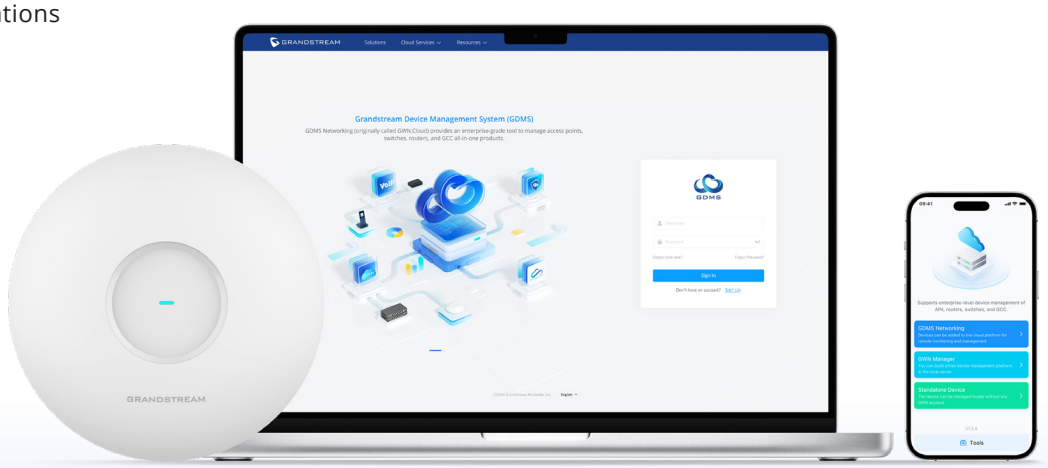
Flexibly configure a custom portal for network access verification, boosting brand awareness with targeted marketing messages.



Cloud Management

Beyond local Web UI control, this model supports GDMS Networking, a premier cloud-based management platform. It delivers real-time monitoring, instant alerts, and in-depth statistics.

Accessible from anywhere via a web browser or mobile app, GDMS Networking makes AP management across multiple locations simpler and more intuitive than ever.



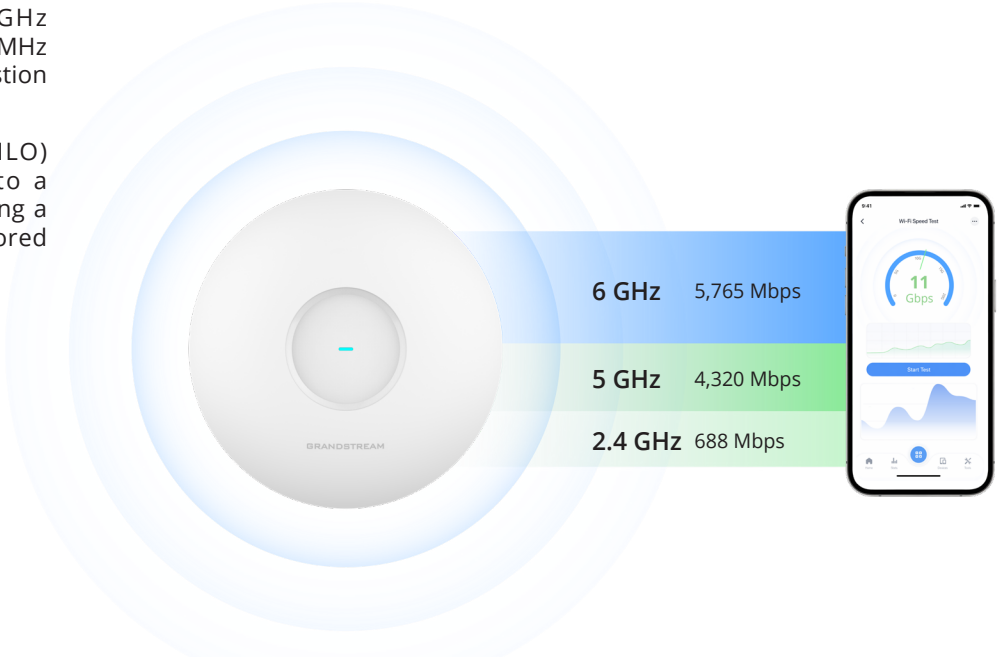
Ultra-Fast Tri-Band Connectivity

GWN7672L redefines your wireless experience with the enhanced 6 GHz spectrum. Featuring an ultra-wide 320 MHz channel, it significantly reduces congestion to provide unparalleled stability.

Integrated Multi-Link Operation (MLO) technology pushes performance to a professional-grade 11 Gbps, establishing a specialized high-capacity channel tailored for high-density scenarios.

Up to 11 Gbps

MLO Technology



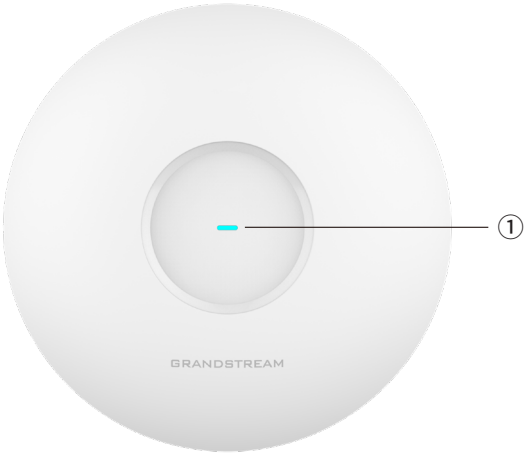
Flexible Mounting Options

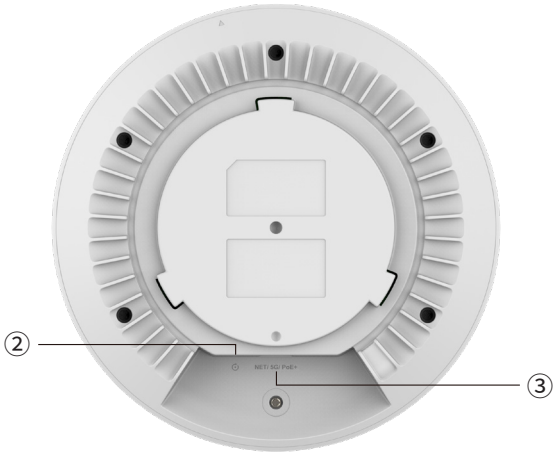
Engineered for total deployment flexibility, the versatile multi-pattern bracket ensures a seamless installation experience—whether you're mounting on walls, ceilings, or various standard junction boxes.

- A Ceiling Mount, Wall Mount
- B T-Bar Ceiling Mount
- C European Outlet Box
- D Single-Gang Outlet Box (US)
- E 3.5" Round Junction Box (US)
- F 4" Round Junction Box (US)
- G 4" Square Junction Box (US)
- H Double-Gang Outlet Box (US)



Hardware Overview





GWN7672L

① **Indicator**	② **Reset**	③ **5 GbE/PoE+**

Technical Specifications

		GWN7672L
Basic	Unit Dimension	Ø220 mm × 48.5 mm (Ø8.66" × 1.91")
	Package Dimension	275 mm × 266 mm × 76 mm (10.83" × 10.47" × 2.99")
	Unit Weight	828.6 g (1.83 lb)
	Package Weight	1,312.3 g (2.89 lb)
	Mounting	Indoor Wall Mount, Ceiling Mount, and Junction Box Mount
Radio	Antenna	6 single-frequency antennas • 2.4 GHz: 2 × 3.5 dBi • 5 GHz: 2 × 5.5 dBi • 6 GHz: 2 × 5.5 dBi
	MIMO	• 2.4 GHz: 2×2:2, MU-MIMO • 5 GHz: 2×2:2, MU-MIMO • 6 GHz: 2×2:2, MU-MIMO
	Frequency Bands	• 2.4 GHz Radio: 2,400–2,483.5 MHz • 5 GHz Radio: 5,150–5,850 MHz • 6 GHz Radio: 5,945–7,125 MHz **Not all frequency bands can be used in all regions*
	Channel Bandwidth	• 2.4 GHz: 20 and 40 MHz • 5 GHz: 20, 40, 80, 160 and 240 MHz • 6 GHz: 20, 40, 80, 160 and 320 MHz
	Wi-Fi Data Rates	• 2.4 GHz IEEE 802.11be: Up to 688 Mbps IEEE 802.11ax: 7.3 Mbps to 574 Mbps IEEE 802.11n: 6.5 Mbps to 300 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11b: 1, 2, 5.5, 11 Mbps • 5 GHz IEEE 802.11be: Up to 4,320 Mbps IEEE 802.11ax: 7.3 Mbps to 2,402 Mbps IEEE 802.11ac: 6.5 Mbps to 1,732 Mbps IEEE 802.11n: 6.5 Mbps to 300 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 6 GHz IEEE 802.11be: Up to 5,765 Mbps IEEE 802.11ax: 8 Mbps to 4,802 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: 20 dBm (100 Milliwatts) • 5 GHz: 23 dBm (200 Milliwatts) • 6 GHz: 23 dBm (200 Milliwatts) **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: -93 dBm@6 Mbps, -75 dBm@54 Mbps 802.11n 20 MHz: -73 dBm@MCS7; 802.11n 40 MHz: -70 dBm@MCS7 802.11ax 20 MHz: -65 dBm@MCS11; 802.11ax 40 MHz: -62 dBm@MCS11 802.11be 20 MHz: -65 dBm@MCS13; 802.11be 40 MHz: -62 dBm@MCS13 • 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: -70 dBm@MCS8; 802.11ac 40 MHz: -65 dBm@MCS9 802.11ac 80 MHz: -62 dBm@MCS9; 802.11ac 160 MHz: -59 dBm@MCS9 802.11ax 20 MHz: -64 dBm@MCS11; 802.11ax 40 MHz: -61 dBm@MCS11 802.11ax 80 MHz: -59 dBm@MCS11; 802.11ax 160 MHz: -55 dBm@MCS11 802.11be 20 MHz: -59 dBm@MCS13; 802.11be 40 MHz: -56 dBm@MCS13 802.11be 80 MHz: -54 dBm@MCS13; 802.11be 160 MHz: -52 dBm@MCS13 • 6 GHz 802.11ax 20 MHz: -62 dBm@MCS11; 802.11ax 40 MHz: -59 dBm@MCS11 802.11ax 80 MHz: -57 dBm@MCS11; 802.11ax 160 MHz: -53 dBm@MCS11 802.11ax 320 MHz: -51 dBm@MCS11 802.11be 20 MHz: -57 dBm@MCS13; 802.11be 40 MHz: -54 dBm@MCS13 802.11be 80 MHz: -52 dBm@MCS13; 802.11be 160 MHz: -50 dBm@MCS13 802.11be 320 MHz: -47 dBm@MCS13
	Coverage Range	Up to 175 m (574.15 ft) **Coverage range may vary based on environment*

		GWN7672L
Ports	Network Ports	1 × 5 GbE RJ45 port (Supports PoE Input)
	Other Ports	1 × Reset Pinhole, 1 × Kensington Lock
LED	System LED	1 tri-color LED for device tracking and status indication
Power and Energy	PoE Standards	802.3at
	Max Power Consumption	22 W
Environmental Endurance	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%, non-condensing
Certification	Compliance	FCC, CE, RCM, IC
	Wi-Fi Alliance	• Access: Passpoint® Release 3 • Network management: WMM® Wi-Fi Agile Multiband™ • Security: Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2024-10 Wi-Fi Enhanced Open™ 2023-12 • Wi-Fi (MAC/PHY) : 2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Spectrum & Regulatory Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED 7™ Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

Key Features

		GWN7672L
WLAN	Wi-Fi Standards	Wi-Fi 7 (IEEE 802.11a/b/g/n/ac/ax/be)
	SSIDs	48 SSIDs in total, 16 per radio: 2.4 GHz & 5 GHz & 6 GHz
	Client Capacity	Up to 384 concurrent clients
	Advanced Wireless Features	• Beamforming • OFDMA • Multi-RU • Preamble Puncturing • 4096-QAM • Multilink Operation (MLO) • Target Wake Time (TWT) • Maximal Ratio Combining (MRC) • Space-Time Block Coding (STBC) • Low-Density Parity-Check (LDPC) • 802.11 Dynamic Frequency Selection (DFS) • BSS Coloring
	SSID Hidden	Restricts access and enhances network privacy by hiding the SSID
	Multicast/Broadcast Suppression	Yes
	Multicast Enhancement	Converts multicast data into unicast data for transmission
	Bandwidth Limiting	Supports rate limiting based on SSID, Client, MAC, or IP address

		GWN7672L
WLAN	Band Steering	Yes
	Client Steering	Yes
	RRM	Dynamic assignment of radio power and channels
	VPN	L2TPv3
	VLAN	• Supports VLAN binding based on Interface, SSID, or MAC address • Supports Management VLAN and Dynamic VLAN
	Time Policy	• Tracks the time that the client connects to Wi-Fi • Supports setting the amount of time for the client to connect to Wi-Fi and the reconnection type after a timeout
	Schedule	Supports SSID, LED, and Reboot scheduling
WLAN Extension	Bridge	Yes
	Extender	Yes
	Mesh	2.4 GHz, 2.4 GHz & 5 GHz, 5 GHz, 5 GHz & 6 GHz, 6 GHz
	Hotspot 2.0	Yes
	Wireless Roaming	• 802.11k, 802.11v, 802.11r • Layer 2 roaming
Network	IPv4	Static IP or DHCP assignment
	IPv6	Static IP or DHCP assignment
	DHCP	Supports Server, Client, and Relay modes
	NAT	NAT Pool
	LLDP	Link Layer Discovery Protocol for automated device identification
User Authentication	802.1x Authentication	Yes
	MAC Authentication	RADIUS-based access control using client MAC addresses as credentials
	PPSK	• PPSK with or without RADIUS • Easy PPSK
	Captive Portal	Supports RADIUS, Social Login, Vouchers, Password, SAML SSO, and Active Directory authentication
Security and Maintenance	Encryption	• Open System • OSEN • WPA2-PSK (Personal) • WPA2-802.1x (Enterprise) • WPA3-SAE (Personal) • WPA3-802.1x (Enterprise) • WPA3-OWE (Enhanced Open) • WPA/WPA2, WPA2/WPA3 • Unique Security Certificate and Random Default Password per Device
	Firmware Security	• Anti-Hacking Secure Boot • Critical Data and Control Lockdown via Digital Signatures
	Forwarding Security	• MAC Filtering • Client Isolation • OS Filtering
	WIDS	• Inbound/Outbound Traffic Rules • Rogue AP Detection and Containment • ARP Attack Defense • ND Attack Defense
	Management Protocol	• TR-069 • SNMP
Service Quality	QoS	802.11e/WMM, 802.1p, 802.1q, TOS
Management Platform	Local Management	Local Web UI: Embedded controller which can manage up to 50 local GWN APs
	Cloud Management	• GDMS Networking: A free cloud management platform for unlimited GWN APs • GWN Manager: Premise-based software controller for up to 3,000 GWN APs • GWN App: Integrates GDMS Networking and GWN Manager to manage GWN APs via the app

Package Contents

		GWN7672L
Standard Items	Primary Unit	1 × GWN7672L Wi-Fi 7 Wireless AP
	Manual and License	1 × Quick Installation Guide 1 × Certification Regulatory Information
	Installation Accessories	1 × Mounting Bracket 1 × Ceiling Mounting Bracket 3 × Plastic Expansions Bolts 3 × Pan Head Tapping Screws (ST3.5 × 20 mm) 3 × Pan Head Machine Screws (M3 × 50 mm) 3 × M3 Nuts

Ordering Information

	Item	Description
GWN AP	GWN7672L	Tri-Band Wi-Fi 7 Access Point, 1 × 5 GbE, BE11000, tri-band 2×2:2 MU-MIMO

www.grandstream.com
+1-617-566-9300
info@grandstream.com
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