GRANDSTREAM
CONNECTING THE WORLD



Wi Fi 7 CERTIFIED

GWN7671

Wall-Mounted Dual-Band Wi-Fi 7 Access Point

The GWN7671 is a wall-mounted dual-band Wi-Fi 7 BE3600 access point designed for small-to-medium businesses. Engineered with advanced 2.4 GHz 2×2:2 and 5 GHz 3×3:2 MU-MIMO plus DL/UL OFDMA technology, it delivers exceptional throughput and expansive coverage. For local connectivity, the GWN7671 features a high-speed 2.5-Gigabit PoE+ uplink alongside two 1-Gigabit PoE output ports, allowing you to power and connect IP phones, TVs, and other endpoints. Its sleek, in-wall mounting design ensures a clean, professional installation that complements modern commercial spaces. This model offers hybrid management flexibility through the local web UI, GDMS Networking (cloud) or GWN Manager (on-premise). It is the ideal solution for medium-scale, standard commercial and enterprise deployments.

Feature Highlights

Features 3.6 Gbps aggregate wireless throughput and 2.5 Gbps wired throughput.

Built-in PoE output capabilities streamline deployment by directly powering essential endpoints like IP phones and security cameras.

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

Xtra Range 2.0 technology on the 5 GHz band enhances signal penetration and network coverage.

Integrates Wi-Fi 7 Certified connectivity with dual-band 2.4 GHz 2×2:2 and 5 GHz 3×3:2 MU-MIMO, supporting MLO, 4K QAM, MRU, and preamble puncturing

Connects up to 256 Wi-Fi client devices simultaneously without compromising speed.

Application Scenarios

Engineered for hotels, apartments, and modern office environments, this wall-mounted GWN7671 combines high-performance wireless coverage with smart hardware integration. Featuring two PoE OUT ports, it delivers reliable connectivity to employees and guests while directly powering essential desktop devices, such as IP phones, printers, and cameras, straight through the network cables. It ensures a streamlined installation that drastically reduces cabling infrastructure costs and keeps workspace clean and professional.



Hotels



Apartments



Office Buildings

Standard Deployment

Engineered for effortless integration into any network environment, the GWN7671 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 1,000 PPSKs

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



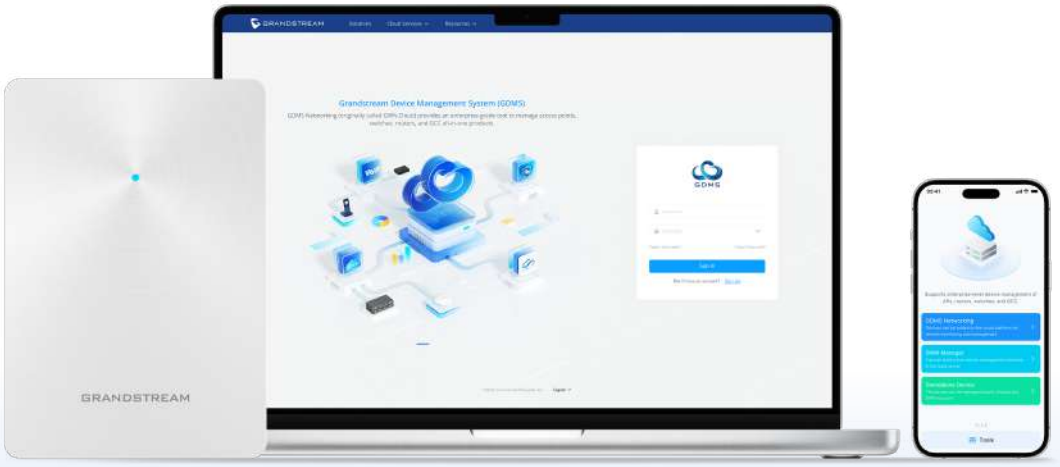
Captive Portal

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



Cloud Management

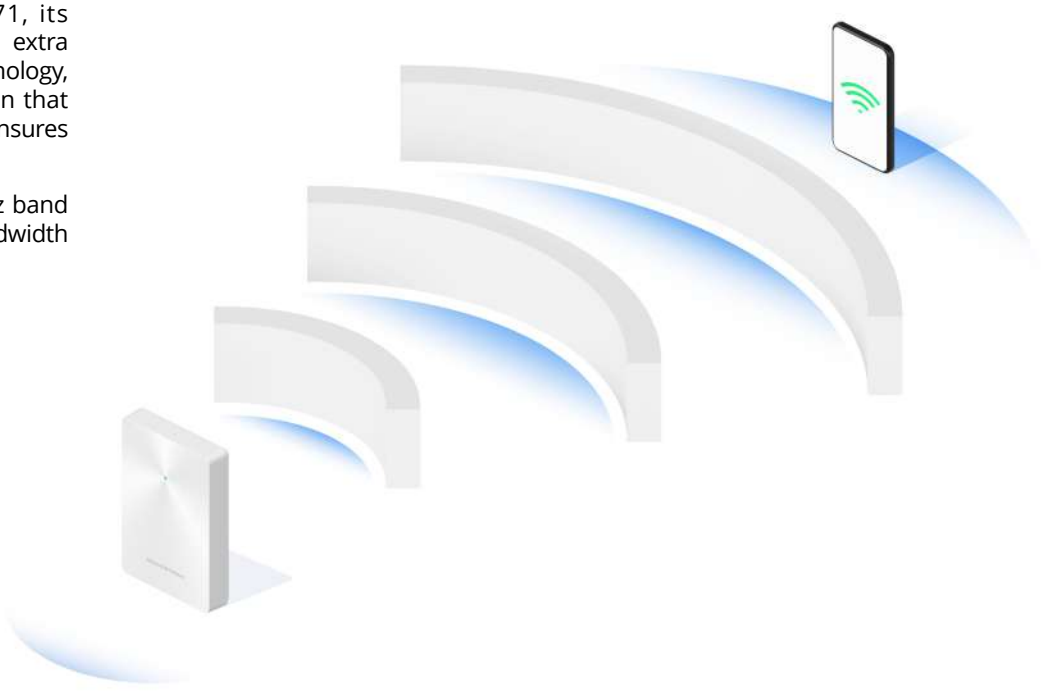
Beyond local Web UI control, this model supports GDMS Networking, a premier cloud-based management platform. It delivers real-time monitoring, instant alerts, and in-depth statistics. Accessible from anywhere via a web browser or mobile app, GDMS Networking makes AP management across multiple locations simpler and more intuitive than ever.



5 GHz High-Performance & Extended Range

In the 5 GHz band of the GWN7671, its 3×3:2 antenna architecture dedicates 1 extra antenna to support Xtra Range 2.0 technology, allowing for superior signal penetration that effortlessly reaches through walls and ensures seamless edge-to-edge coverage.

Moreover, its wireless rate in the 5 GHz band is up to 2,882 Mbps with a channel bandwidth of up to 160 MHz.

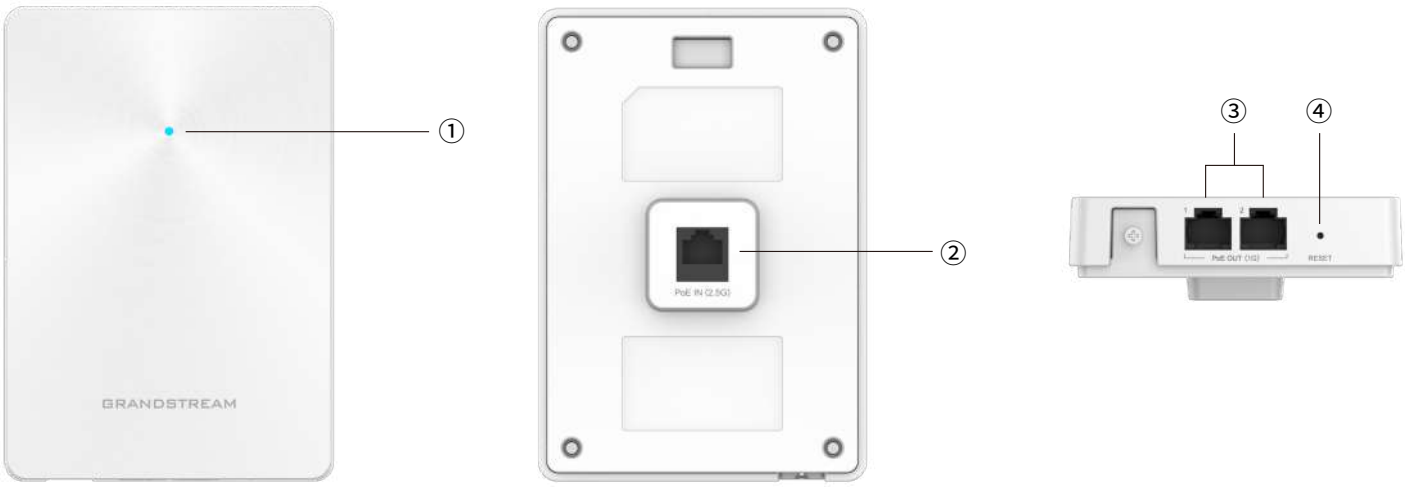


5 GHz

Integrated Xtra Range 2.0

- 3×3:2 Antenna Architecture
- Up to 160 MHz
- 2,882 Mbps

Hardware Overview



GWN7671

① **Indicator**	② **2.5 GbE / PoE IN**	③ **1 GbE / PoE OUT**	④ **Reset**

Technical Specifications

		GWN7671
Basic	Unit Dimension	143 mm × 99 mm × 33.5 mm (5.63" × 3.90" × 1.32")
	Package Dimension	193 mm × 138.5 mm × 54 mm (7.60" × 5.45" × 2.13")
	Unit Weight	373 g (0.82 lb)
	Package Weight	503 g (1.11 lb)
	Installation Methods	In-Wall Mount
Radio	Antenna	1 single frequency antenna and 2 dual-frequency antennas: • 2.4 GHz: 2 × 2.5 dBi • 5 GHz : 3 × 5.0 dBi
	MIMO	• 2.4 GHz: 2×2:2, MU-MIMO • 5 GHz: 3×3:2, MU-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	• 2.4 GHz: 20 and 40 MHz • 5 GHz: 20, 40, 80 and 160 MHz
	Wi-Fi Data Rates	• 2.4 GHz IEEE 802.11be: Up to 688 Mbps 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 • 5 GHz IEEE 802.11be: Up to 2,882 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 **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: -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: -60 dBm@MCS11; 802.11ax 40 MHz: -58 dBm@MCS11 802.11be 20 MHz: -60 dBm@MCS13; 802.11be 40 MHz: -57 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: -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 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
	Coverage Range	Up to 175 m (574.15 ft) **Coverage range may vary based on environment*
Ports	Network Ports	• 1 × 2.5 GbE RJ45 port (Supports PoE Input) • 2 × 1 GbE RJ45 ports (Supports PoE Output)
	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 Input	802.3at
	Maximum Power Consumption	• 13.5 W (Excluding PoE Output) • 12.0 W Total (802.3af/at PSE Output)
Environmental Endurance	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Storage Temperature	-10°C to 60°C (14 °F to 140 °F)
	Humidity	10%–90%, non-condensing

		GWN7671
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 (MAC/PHY): 2.4 GHz Spectrum Capabilities 5 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

		GWN7671
WLAN	Wi-Fi Standards	Wi-Fi 7 (IEEE 802.11a/b/g/n/ac/ax/be)
	SSIDs	32 SSIDs total, 16 per radio (2.4 GHz & 5 GHz)
	Client Capacity	Up to 256 concurrent clients
	Basics	• 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
	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, Reboot scheduling

		GWN7671
WLAN Extension	Bridge	Yes
	Extender	Yes
	Mesh	2.4 GHz, 2.4 GHz & 5 GHz, 5 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 PSK
	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 • 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
	Centralized 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

		GWN7671
Standard Items	Primary Unit	1 × GWN7671 Wi-Fi 7 Wireless AP
	Manual and License	1 × Quick Installation Guide 1 × Certification Regulatory Information
	Installation Accessories	1 × Mounting Bracket 4 × Plastic Expansions Bolts 4 × Cross-Recess Flat Head Tapping Screws (ST3.5 × 32 mm) 1 × Pan Head Machine Screw (M3 × 6 mm)

Ordering Information

	Item	Description
GWN AP	GWN7671	Wall-Mounted Dual-Band Wi-Fi 7 Access Point, 1 × 2.5 GbE, 2 × 1 GbE, BE3600, 2.4G 2×2:2 and 5G 3×3:2

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