GRANDSTREAM
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High-Performance Outdoor Long-Range Wi-Fi Access Point

GWN7630LR

The GWN7630LR is an outdoor long-range 802.11 ac Wave-2 Wi-Fi access point for medium to large businesses and enterprises who need to provide long-range coverage in both indoor and outdoor spaces. It offers weatherproof casing and heat resistant technology, dual-band 4×4:4 MU-MIMO technology, and a sophisticated antenna design for maximum network throughput that supports 200+ clients and an expanded 300-meter coverage range. To ensure easy installation and management, the GWN7630LR includes a built-in controller embedded within the product's web user interface. It is also supported by GWN.Cloud, Grandstream's free cloud Wi-Fi management platform. The GWN7630LR is the ideal Wi-Fi AP for voice-over-Wi-Fi deployments and offers a seamless connection with Grandstream's Wi-Fi-capable voice and video IP phones. By including support for advanced QoS, low-latency real-time applications, mesh networks and captive portals, the GWN7630LR is an ideal outdoor Wi-Fi access point for enterprises, multiple floor offices, warehouses, hospitals, schools and more.

Gigabit	**4x4 MIMO**	**PoE**
2.33Gbps wireless throughput and 2x Gigabit wireline ports	Dual-band 4x4:4 MIMO technology	Self power adaptation upon auto detection of PoE/PoE+
Support 200+ concurrent Wi-Fi client devices	**300 meters** Up to 300-meter coverage range	**QoS** Advanced QoS to ensure real-time performance of low-latency applications
Anti-hacking secure boot and critical data/control lockdown	Flexibilty of detachable/ changeable antenna for different application scenarios	Embedded controller can manage up to 50 local GWN series APs; GWN. Cloud offers unlimited AP management

Wi-Fi Standards	IEEE 802.11a/b/g/n/ac (Wave-2)
Antennas	4 detachable/changeable dual-band omnidirectional antennas 2.4GHz, gain 3.5dBi 5GHz, gain 3.5dBi
Wi-Fi Data Rates	IEEE 802.11ac: 6.5 Mbps to 1733Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n: 6.5Mbps to 600Mbps IEEE 802.11b: 1, 2, 5.5, 11Mbps 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*
Frequency Bands	2.4 GHz Radio: 2412 – 2484 MHz 5GHz Radio: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz *Not all frequency bands can be used in all regions.*
Channel Bandwidth	2.4G: 20 and 40MHz 5G: 20, 40 and 80MHz
System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
MIMO	4x4:4 2.4G (MIMO), 4x4:4 5G (MU-MIMO)
Coverage Range	Up to 300 meters *Coverage range can vary based on environment*
Maximum TX Power	2.4G: 27 dBm 5G: 25 dBm *Maximum power varies by country, frequency band, and MCS rate*
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 **5G** 802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40:-63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9
SSIDs	16 SSID per radio
Concurrent Clients	200+
Network Interfaces	2× autosensing 10/100/1000 Base-T Ethernet Ports
Auxiliary Ports	1× Reset Pinhole
Mounting	Wall mount or pole mount - kits included
LEDs	1× tri-color LEDs for device tracking and status indication
Network Protocols	IPv4/IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM
QoS	802.11e/WMM, VLAN, TOS
Network Management	Embedded controller can manage up to 50 local GWN APs GWN.Cloud offers a free cloud management platform for unlimited GWN APs GWN.Manager (coming soon) offers premise-based software controller for up to 3,000 GWN APs
Power and Green Energy Efficiency	PoE 802.3af/ 802.3at; Max Consumption: 16.5W
Environmental	Operation: -30°C to 60°C Storage: -30°C to 70°C Humidity: 5% to 95% Non-condensing
Physical	Unit Dimension: 533.1 × 115 × 40mm; Unit Weight: 564g Unit + Mounting Kits Dimension : 533.1×115 ×62mm; Unit + Mounting Kits Weight : 706g Entire Package Dimension: 258 × 247× 86mm; Entire Package Weight: 978g
Package Content	GWN7630LR 802.11ac Wireless AP, Mounting Kits, Quick Start Guide
Weatherproof Grade	IP66-level weatherproof capability when installed vertically
Compliance	FCC, CE, RCM, IC

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