

GWN7660ELR vs. Industry Competition



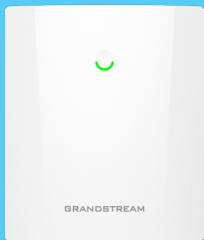


3 Free Wi-Fi Management Options

The GWN7660ELR offers 3 free management options: cloud based (GWN.Cloud), software based (GWN.Manager) and embedded (built-in to the web UI). This makes for easy management that is accessible from anywhere at anytime. For the Unifi U6 Mesh, the Unifi controller is free however the cloud-hosted option is not leading to extra costs. The Aruba AP-565 can be managed via Aruba Central or Aruba Wave both of which are subscription based services and have extra costs in addition to the access point.



Coverage Range

The GWN7660ELR has a coverage range of 300 meters which is significantly more than the Unifi U6 Mesh which has a coverage range of 140 meters and the coverage range for the Aruba AP-565 is not specified. This indicates that the GWN7660ELR can cover a much larger area and give network access to people in large spaces which is a major advantage for an outdoor access point.

	 GWN7660ELR	 Unifi U6 Mesh	 Aruba AP-565
Supported Concurrent Clients	256+	300+	256+
Coverage Range	300 meters	140 meters	-
Network Interfaces	1x 1G Port and 1x 2.5G SFP Port	1x Gigabit RJ45 Ethernet Port	1x 10/100/1000 RJ45 Ethernet Port
2.4GHz Throughput	573.5Mbps	573.5Mbps	574Mbps
5GHz Throughput	2.4Gbps	4.8Gbps	1.2Gbps
Wireless Throughput	3Gbps	5.4Gbps	1.8Gbps
Antennas	5 individual internal antennas 2.4GHz x 2, gain 5.5dBi 5 GHz x 2, gain 6.0dBi BT gain 4.5 dBi	6 individual internal antennas 2.4GHz x 2, gain 3.0dBi 5 GHz x 4, gain 5.0dBi	5 built-in omnidirectional antennas 2.4GHz x 2, gain 3.2dBi 5 GHz x 2, gain 5.4dBi BLE/802.15.4 Antennas 3.3d Bi
MU-MIMO	2x2:2 2.4GHz 2x2:2 5GHz	2x2:2 2.4GHz 4x4:4 5GHz	2x2:2 2.4GHz 2x2:2 5GHz
Maximum TX Power	5G: 26dBm 2.4G: 27dBm	5G: 26dBm 2.4G: 22dBm	2.4 GHz band: +23 dBm per chain, +26 dBm aggregate (2x2) 5 GHz band: +23 dBm per chain, +26 dBm aggregate (2x2)
Maximum Power Consumption	13W	11.4W	15.6W
Wireless Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, anti-hacking secure boot and critical data/ control lockdown via digital signatures, unique security certificate and random default password per device	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3), password user protection, encryption, enhanced open, passkey management
QoS	Yes	Yes	Yes
SSIDs	32 SSIDs total, 16 per radio (2.4GHz and 5GHz)	16 SSIDs total, 8 per radio (2.4GHz and 5GHz)	16 SSIDs total, 8 per radio (2.4GHz and 5GHz)
Mounting	Wall mount or pole mount, kits included	wall, desktop or pole mount (kits included) ceiling mount (optional)	AP-OUT-MNT-V1A: Outdoor Pole/Wall Long Mount Kit AP-270-MNT-V2: Outdoor Pole/Wall Short Mount Kit AP-270-MNT-H1: Outdoor AP Hanging or Tilt Install Mount Kit AP-270-MNT-H2: Outdoor Flush Wall or Ceiling Mount AP-270-MNT-H3: Outdoor AP Hanging or Dual-Tilt Install Mount Kit
LEDs	1 tri-color LED for device tracking and status indication; 1 single-color LED for SFP	White/blue LED indicators	Visual indicator (multi-color LED): For system and radio status
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 offers premise-based software controller for up to 3,000 GWN APs	Management option via the Unifi Controller which is free, however the cloud hosted option needs to be paid for leading to extra costs	Management either through Aruba Central or Aruba Wave. Aruba Instant-On is free, however Aruba Central is a subscription service. Aruba Wave is a subscription based service
Dimensions	270mm x 230mm x 57mm	Ø48.5 x 159.5 mm	165mm x 165mm x 110mm
Compliance	FCC, CE, RCM, IC	FCC, CE, IC	FCC, CE, RED, EMC