

## GWN7660E vs. Industry Competition



### 3 Free Wi-Fi Management Options

The GWN7660E 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. The TP-Link EAP650 has 3 free options as well which are the Omada Hardware Controller, Omada Software Controller and Omada Cloud-based Controller. 1 year Netgear Insight included with purchase of the access point, however the 2nd year onwards needs to be paid for leading to extra costs on top of the purchase price of the Netgear WAX615.






### 3x3:2 MU-MIMO

All 3 models of access points the GWN7660E, TP-Link EAP650 and Netgear WAX615 support 2x2 MIMO on the 2.4G band. However the GWN7660E is the only model which offers 3x3 MU-MIMO on the 5G band compared to the competitor models that offer only 2x2 MU-MIMO on the 5G band. The increase in the number of antennas results in the GWN7660E being able to improve signal link quality and reliability via spatial diversity.



### Concurrent Clients

The GWN7660E supports the most number of concurrent clients i.e. 256+ thereby providing more bandwidth and wi-fi speed for clients compared to the other 2 models. The TP-Link EAP650 can support 250+ clients which is slightly lower than the GWN7660E and the Netgear WAX615 can support a maximum of 256 users but only 60 users concurrently which is significantly lesser than the GWN7660E.

	 <b>GWN7660E</b>	 <b>TP-Link EAP650</b>	 <b>Netgear WAX615</b>
Supported Concurrent Clients	256+	250+	60 concurrent users (256 maximum users)
Coverage Range	175 meters	140 meters	-
Network Interfaces	1x autosensing 10/100/1000 RJ45 Ethernet Port	1 x RJ45 Ethernet Port	1x 100/1000/2500 RJ45 Ethernet Port
2.4GHz Throughput	573.5Mbps	574Mbps	600Mbps
5GHz Throughput	2402Mbps	2402Mbps	2400Mbps
Wireless Throughput	3Gbps	3Gbps	3Gbps
Antennas	5 individual internal antennas 2.4GHz x 2, gain 4.0dBi 5 GHz x 3, gain 5.0dBi	4 individual omni antennas 2.4GHz x 2, gain 4.0dBi 5GHz x 2, gain 5.0dBi	Internal antennas 2.4GHz, gain 3.8dBi 5GHz, gain 4.5dBi
Channel Bandwidth	2.4G: 20 and 40 MHz 5G: 20,40,80 and 160MHz	2.4G: 20 and 40 MHz 5G: 20,40,80 and 160MHz	2.4G: 20 and 40 MHz 5G: 20,40,80 and 160MHz
MU-MIMO	2x2:2 2.4GHz 3x3:2 5GHz	2x2:2 2.4GHz 2x2:2 5GHz	2x2:2 2.4GHz 2x2:2 5GHz
Maximum TX Power	5G: 24dBm 2.4G: 24dBm	CE: <20 dBm(2.4 GHz, EIRP) <23 dBm(5 GHz, Band1 & Band2, EIRP) <30 dBm(5 GHz, Band3, EIRP)  FCC: <25 dBm (2.4 GHz) <25 dBm (5 GHz)	5GHz: 29.35dBm 2.4GHz: 20.03dBm
Maximum Power Consumption	12.95W	EU: 13.5 W US: 14.7 W	21.2W
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, WPA2, WPA3, Captive Portal Authentication, Access Control, Wireless MAC Address Filtering, Wireless Isolation between clients, SSID to VLAN mapping, Rogue AP detection, 802.1X Support	Wi-Fi protected access (WPA, WPA2, WPA3), WPA2 and WPA3 enterprise, Wireless access control to identify authorized wireless network devices, MAC address authentication, Neighbor AP detection, block SSID broadcast, guest network/ captive portal, bandsteering and bandwidth management
QoS	Yes	Yes	Yes
SSIDs	32 SSIDs total, 16 per radio (2.4GHz and 5 GHz)	-	-
Mounting	Indoor wall mount or ceiling mount, kits included	Indoor wall mount or ceiling mount (kits included) Junction Box Mounting	Indoor wall mount or ceiling mount (kits included)
LEDs	3 tri-color LEDs for device tracking and status indication	LED button for on/off control	Four (4): Power and Cloud connection; LAN speed; 2.4GHz status; 5GHz 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	3 free options: Omada Hardware Controller, Omada Software Controller and Omada cloud-based Controller	NETGEAR Insight — Secure cloud and local network management. 1-Year NETGEAR Insight included with purchase
Dimensions	180.4mm x 180.4mm x 40.8mm	160mm x 160mm x 33.6mm	241.5mm x 241.5mm x 40.2mm
Compliance	FCC, CE, RCM, UKCA	CE, FCC, RoHS	-