

# GWN7665 vs. Industry Competition






### 3 Free Wi-Fi Management Options

The GWN7665 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 Unifi U6 Enterprise controller is free, however the cloud hosted option is paid for leading to extra costs. 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 WAX630E.



### List Price

The GWN7665 has a list price of \$129 which is significantly cheaper than the Unifi U6 Enterprise that has a list price of \$279 and the Netgear WAX630E that has a list price of \$349. The key feature differentiator is MU-MIMO, wherein Unifi U6 Enterprise has 4x4:4 on the 5Ghz and 6Ghz bands and Netgear has 4x4:4 on 5Ghz band. This is the primary reason for the price difference as GWN7665 has 2x2:2 MU-MIMO on all the bands. GWN7665 is still considered as one of the most cost-effective Wi-Fi 6E Access Points in the market.

			
	<b>GWN7665</b>	<b>Unifi U6 Enterprise</b>	<b>Netgear WAX630E</b>
Wi-Fi	Tri-Band Wi-Fi 6E	Tri-Band Wi-Fi 6E	Tri-Band Wi-Fi 6E
Supported Clients	384	600+	-
Coverage Range	175 meters	140 meters	278 meters
Network Interfaces	1x 2.5Gbe Ethernet Port 1x 1Gbe Ethernet Port	1x 2.5 GbE Ethernet port	1 x 2.5GbE Ethernet port 1 x 1GbE Ethernet port
2.4GHz Throughput	573.5Mbps	573.5Mbps	600Mbps
5GHz Throughput	2.4Gbps	4.8Gbps	4.8Gbps
6GHz Throughput	2.4Gbps	4.8Gbps	2.4Gbps
Wireless Throughput	5.4Gbps	10.8Gbps	7.8Gbps
Antennas	6 spatial streams	10 spatial streams	8 spatial streams
MU-MIMO	2x2:2 (all bands)	2x2:2 (2.4GHz band) 4x4:4 (5GHz band) 4x4:4 (6GHz band)	2x2:2 (2.4GHz band) 4x4:4 (5GHz band) 2x2:2 (6GHz band)
Maxiumum TX Power	2.4G: 24dBm 5G: 27dBm 6G: 26 dBm	2.4G: 22dBm 5G: 26dBm 6G: 26 dBm	-
Maximum Power Consumption	22.5W	22W	27.64W
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)	Wi-Fi protected access (WPA, WPA2, WPA3), WPA2 and WPA3 enterprise, Wireless access control to identify authorized wireless network devices, MAC address authentication
QoS	Yes	Yes	Yes
SSIDs	48 total, 16 per radio (2.4GHz, 5GHz and 6GHz)	24 total, 8 per radio (2.4GHz, 5GHz and 6GHz)	24 total, 8 per radio (2.4GHz, 5GHz and 6GHz)
Mounting	Indoor Wall mount or ceiling mount (kits included)	Wall mount and ceiling mount (kits included)	Wall mount and ceiling mount (kits included)
LEDs	3 tri-color LEDs for device tracking and status indication	White/blue LEDs	One (1): Power and cloud connection; Two (2): LAN ports; Three (3): Radio (2.4GHz, 5GHz, 6GHz )
Management	3 free options: cloud-based (GWN.Cloud), software-based (GWN.Manager) and embedded controller	Unifi controller is free, however the cloud hosted option is paid	NETGEAR Insight — Secure cloud and local network management. 1-Year NETGEAR Insight included with purchase
Dimensions	205.3mm x 205.3mm x 45.9mm	Ø220 x 48 mm (Ø8.7 x 1.9")	266.6mm x 268.3mm x 55.5 mm
Compliance	FCC, CE, RCM, IC, UKCA	FCC, CE, IC	-
List Price	\$129	\$279	\$349