

GWN7816 vs. Industry Competition



Quality of Service

The GWN7816 and Netgear GS748Tv5 have QoS whereas the Unifi USW-Pro-48 does not have QoS, thereby reducing the quality and reliability of the product



Gigabit Ports

The GWN7816 has 48 Ports and 6 SFP+ Ports, which is more than the Unifi USW-Pro-48 and Netgear GS748Tv5 that have the same number of ports but only 4 SFP+ ports. The GWN7816P is the only model with a serial console port and auxillary port.






Free Management Options

The GWN7816 offers 3 free management options: cloud based (GWN.Cloud), software based (GWN Manager) and embedded (built-in to the web UI). The Unifi USW-Pro-48 also offers free management via the Unifi controller. However, the Netgear GS748Tv5 offers paid management via Netgear Insight resulting in extra costs on top of purchasing the switch.



List Price

The GWN7816 is by far the most cost effective model as compared to the Netgear GS748Tv5 and Unifi USW-Pro-48. The GWN7816 has a list price of \$489 which is slightly higher than the Netgear GS748Tv5 which is priced at \$479, however extra costs need to be paid towards management and the features are inferior to the GWN7816. The Unifi USW-Pro-48 is priced higher at \$589 and is inferior to the GWN7816 in certain aspects.

	 GWN7816	 Netgear GS748Tv5	 Unifi USW-Pro-48
Type of Switch	Layer 3 Managed Switch	Layer 3 Lite Managed Switch	Layer 2 Managed Switch
Gigabit Ethernet Ports	48	48	48
Gigabit SFP+ Ports	6	2 dedicated SFP ports and 2 combo copper/SFP ports	4
Serial Console Port	1	no serial console port	no serial console port
Auxillary Ports	1x Reset Pinhole	No Auxillary Port	No Auxillary Port
Total Non-Blocking Throughput	108 Gbps	50 Gbps	88 Gbps
Switching Capability	216 Gbps	100 Gbps	176 Gbps
Forwarding Rate	160.704 Mpps	-	130.944 Mpps
Packet Buffer	16Mb	2Mb	1.5Mb
Switch Configuration	4k VLAN supported, port-based VLAN, VLAN tagging and spanning tree configuration	256 VLAN supported, Multicast VLAN, private VLAN, and spanning tree protocol	Network/VLAN configuration, 802.1X control and radius VLAN and spanning tree configuration
QoS/ACL	Yes	Yes	No
Fan	4 fans	1 fan	Fanless (no noise)
Mounting	Desktop and Rack mount (rack-mounting kits included)	Rack mount (kit included)	Rack mount (kit included)
Operating Temperature	0°C to 45°C	0°C to 50°C	-5°C to 45°C
Compliance	FCC, CE, RCM, IC, UKCA	FCC, CE, CCC, IC	FCC, CE, IC
Management	Embedded controller to manage switch; GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform, CLI management	Device management via Netgear Insight (Basic plan is free which includes 2 switches, Insight premium is a subscription based service)	Device management via Unifi controller
List Price	\$489	\$479	\$589