

 GRANDSTREAM

GWN7806P vs. Industry Competition



Quality of Service

The GWN7806P and Meraki MS225-48LP-HW have QoS whereas the Unifi USW-48-PoE does not have QoS thereby reducing the quality and reliability of the product.



Gigabit
Gigabit Ports

The GWN7806P has 48 PoE Ports and 6 SFP Ports, which is more than the Unifi USW-48-PoE which has 32 PoE ports and 4 SFP Ports. The Meraki MS225-48LP-HW has the same number of PoE Ports as the GWN7806P but has only 4 SFP Ports. The GWN7806P is the only model with an auxillary port.






Forwarding Rate

The GWN7806P has a forwarding rate of 160.704 Mpps which is more than double od the Unifi USW-48-PoE which has a forwarding rate of 77.38Mpps. The GWN7806P also has a higher forwarding rate than the Meraki MS225-48LP-HW which has a forwarding rate of 127.98Mpps. The GWN7806P will process the number of network packets quicker than the other 2 models.



List Price

The GWN7806P is by far the most cost effective model as compared to the Unifi USW-48-PoE and the Meraki MS225-48LP-HW even though the features of the GWN7806P are far superior to the other 2 models. The price of the GWN7806P is priced at \$649 cheaper than the Unifi USW-48-PoE and Meraki MS225-48LP-HW priced at \$865 and \$899 respectively.

	 GWN7806P	 Unifi USW-48-PoE	 Meraki MS225-48LP-HW
Gigabit Ethernet Ports	48	32 RJ45 ports with 802.3af/at and 16 RJ45 ports	48
Gigabit SFP Ports	6	4	4
Serial Console Port	1	1	1
Number of PoE Ports	48	32	48
Integrated Power Supply	470W	240W	490W
Max Output Power Per PoE Port	30W	32W	30W
Max Total PoE Output Power	400W	195W	370W
PoE Standard	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
Auxillary Ports	1x Reset Pinhole	No Auxillary Port	No Auxillary Port
Total Non-Blocking Throughput	108 Gbps	52 Gbps	88 Gbps
Switching Capability	216 Gbps	104 Gbps	176 Gbps
Forwarding Rate	160.704 Mpps	77.38 Mpps	127.98 Mpps
Switch Configuration	4k VLAN supported, port-based VLAN, VLAN tagging and spanning tree configuration	Network/VLAN configuration, 802.1X control and radius VLAN and spanning tree configuration	4k VLAN supported, 802.1Q VLAN and rapid spanning tree protocol
QoS/ACL	Yes	No	Yes
Fan	3 fans	fanless (no noise)	fixed internal fan
Mounting	Desktop and Rack mount (rack-mounting kits included)	Wall-mountable with mount brackets (kit included)	1U Rack Mountable with rack mount hardware, 2-post front mounting options available and desktop-mountable with included feet
Compliance	FCC, CE, RCM, IC, UKCA	FCC, CE, IC	CSA-US, FCC, IC, CE, RCM, RoHS
Management	Device management via SNMP, RMON, CLI, HTTPS, TR069, GWN Manager, GWN.Cloud	Device management via Unifi controller	Device management via the Web with the Meraki cloud management platform, SNMP and syslog support
List Price	\$649	\$865	\$899