

GWN781X Series Master Comparison Chart



Quality of Service

All the models of the GWN781X series have QoS which gives these products the ability to support default strict priority and prioritize network traffic when present making these products very reliable and high quality.



Network Management

Embedded controller available to manage switch; GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform.



Desktop mount, Wall-mount and Rack-mount

The GWN7811, GWN7811P, GWN7812P, GWN7813 and GWN7813 all are desktop, wall and rack mountable making these products very convenient to use. The GWN7816 and GWN7816P are desktop and rack mountable. Rack mount kits are also included resulting in cost savings for the customer.



Storm Control

PoE/PoE+ available on all PoE models (GWN7811P, GWN7812P, GWN7813P and GWN7816P) leading to smart power control and power allocation per port. The GWN7813P and GWN7816P support PoE++ on ports 1-8 thereby allowing this switch to support higher power wattage such as video conferencing systems, TVs, etc.










Pricing

The GWN781X Series is very reasonably priced as compared to competitors such as Ubiquiti, TP-Link and D-Link even though the features are similar or in most cases better. This indicates that Grandstream is amongst the most cost effective Layer 3 Managed Switches on the market.



Stacking

The GWN7816 and GWN7816P models support stacking for easy management on one interface while creating redundant backup between multiple devices.

							
	GWN7811	GWN7811P	GWN7812P	GWN7813	GWN7813P	GWN7816	GWN7816P
Gigabit Ports	8	8	16	24	24	48	48
10 Gigabit SFP+ Ports	2	2	4	4	4	6	6
Console	1						
PoE Ports	-	8	16	-	24	-	48
External Redundant Power Supply (RPS)	-	-	-	12V/5A(60W)	54V(300W)	-	-
Max Output Power per PoE Port	-	30W	30W	-	60W(1-8,PoE++) 30W(9-24)	-	60W(1-8,PoE++) 30W(9-48)
Max Total PoE Output Power	-	120W	240W	-	360W	-	740W
PoE Standards	-	IEEE 802.3af/at		-	IEE 803.2af/at/bt		IEE 803.2af/at/bt
Auxillary Ports	1x Reset Pinhole						
Total Non-Blocking Throughput	28Gbps		56Gbps	64Gbps		108Gbps	
Switching Capability	56Gbps		112Gbps	128Gbps		216Gbps	
Forwarding Rate	41.664Mpps		83.328Mpps	95.232Mpps		160.704Mpps	
Packet Buffer			12MB			16MB	
VLAN	4k VLAN supported, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN and spanning tree configuration						
QoS	Yes						
Mounting	Desktop, Wall-mount, or Rack-mount (rack-mounting kits included)					Desktop or Rack-Mount (rack-mounting kits included)	
Power Supply LEDs	-	-	-	2x bi-color LEDs for per power supply PWR&RPS		2x bi-color LEDs for per power supply PSU1/2	
Data Transferring LEDs	10x Green Color LEDs		20x Green Color LEDs	28x Green Color LEDs		54x Green Color LEDs	
PoE Powered LEDs	-	8x Yellow Color LEDs	16x Yellow Color LEDs	-	24x Yellow Color LEDs	-	48x Yellow Color LEDs
Fan	Fanless	Fanless	2 Fans	-	3 Fans	4 Fans	
Dimensions	330mm(L)x176mm(W)x44mm(H)		440mm(L)x200mm(W)x44mm(H)		440mm(L)x300mm(W)x44mm(H)	440mm(L)x300mm(W)x44mm(H)	440mm(L)x380mm(W)x44mm(H)
Unit Weight	1.8kg	2kg	3kg	2.7kg	3.3kg	4.7kg	6kg
Compliance	FCC, CE, RCM, IC, UKCA						
List Price	\$119	\$205	\$295	\$249	\$459	\$489	\$949