

GWN7800 Series Master Comparison Chart



Quality of Service

All the models of the GWN7800 series have QoS which gives these products the ability to support default strict priority when present and prioritization of network traffic making these products very reliable.



Management Options

Embedded controller 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 GWN7801, GWN7801P, GWN7802, GWN7802P GWN7803 and GWN7803P are desktop, wall-mount and rack-mountable making these products convenient to use. The GWN7806 and GWN7806P are desktop and rackmountable.






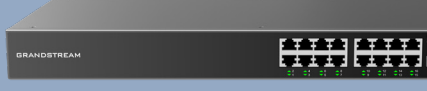




Security Features

The GWN7800 series has a wide-range of security features including ARP inspection, IP Source Guard, DoS protection, port security and DHCP snooping.



Stacking

The GWN7806 and GWN7806P supports stacking for easy management of up to 16 switches in one interface while creating redundant backup between multiple devices

										
	GWN7801	GWN7801P	GWN7802	GWN7802P	GWN7803	GWN7803P	GWN7806	GWN7806P		
Gigabit Ports	8		16			24		48		
Gigabit SFP Ports	2		4							
Gigabit SFP+ Ports	/	/	/	/	/	/	/	/		
PoE Ports	/	8	/	16	/	24	/	48		
Integrated Power Supply	30W	150W	30W	270W	30W	400W	60W	470W		
Max Output Power per PoE Port	/	30W	/	30W	/	30W	/	30W		
Max Total PoE Output Power	/	120W	/	240W	/	360W	/	400W		
Mounting	Desktop, Wall-mount or rack-mount (rack-mounting kits included)						Desktop, rack-mount (rack-mounting kits included)			
Standards and Protocols	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s, IEEE 802.3af/at	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s, IEEE 802.3af/at	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s, IEEE 802.3af/at	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3az, IEEE 802.3ad, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.3AB, IEEE 802.1p, IEEE 802.1D, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3az, IEEE 802.3ad, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.3AB, IEEE 802.1p, IEEE 802.1D, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3af/at		
Auxilliary Port	1x Reset pinhole									
Total Non-Blocking Throughput	10Gbps		20Gbps			28Gbps		108Gbps		
Switching Capacity	20Gbps		40Gbps			56Gbps		216Gbps		
Forwarding Rate	14.88Mpps		29.76Mpps			41.66Mpps		160.704Mpps		
Packet Buffer	4.1Mb									
Network Latency	Avg<4μs									
QoS/ACL	Yes									
Advanced Features	<ul style="list-style-type: none"> • 8K static, dynamic and filtering MAC addresses • 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN • VLAN virtual interface • GVRP (pending) • 8 link aggregation groups • Spanning tree, 16 instances for STP/RSTP/MSTP 						<ul style="list-style-type: none"> • 32K static, dynamic and filtering MAC addresses • 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN • VLAN virtual interface • GVRP (pending) • 27 link aggregation • Spanning tree, 64 instances for STP/RSTP/MSTP 			
LEDs	1x tri-color LED for device tracking and status indication, 10x green LEDs for data ports	1x tri-color LED for device tracking and status indication, 10x green-color LEDs for data ports, 8x yellow-color LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 20x green LEDs for data ports	1x tri-color LED for device tracking and status indication, 20x green-color LEDs for data ports, 16x yellow-color LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 28x green LEDs for data ports	1x tri-color LED for device tracking and status indication, 28x green-color LEDs for data ports, 24x yellow-color LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 54x green-color LEDs for data transferring	1x tri-color LED for device tracking and status indication, 54x green-color LEDs for data transferring, 48x yellow-color LEDs for PoE powered		
Fan	/	/	/	1	/	2	3	3		
Dimensions	330mm(L)x175mm(W)x44mm(H)			440mm(L)x200mm(W)x44mm(H)					440mm(L)x301mm(W)x44mm(H)	
Package	1x Switch, 1x 1.2m(10A) AC Cable, 8x screws, 1x Ground Cable, 4x Rubber Feet, 1x Quick Installation Guide, 1x Power Cord Anti-Trip, 2x extended rack-mounting kits		1x Switch, 1x 1.2m(10A) AC Cable, 8x screws, 1x Ground Cable, 4x Rubber Feet, 1x Quick Installation Guide, 1x Power Cord Anti-Trip, 2x rack-mounting kits				Switch, 1x 1.2m(10A) AC Cable, 1x 25cm Ground Cable, 4x Rubber Footpads, 2x Rack-Mounting Kits, 8x Screws(PM 3*6), 1x Power Cord Anti-Trip, 1x Quick Installation Guide, 1x Console Cable(Optional)			
Compliance	FCC, CE, RCM, IC, UKCA									