

	GWN7811	GWN7811P	GWN7812P	GWN7813	GWN7813P
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3x, IEEE 802.3af/at/bt, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s, IEEE 802.3az, IEEE 802.3ad, IEEE 802.3AB, IEEE 802.1p, IEEE 802.1D, IEEE 802.1x				
Gigabit Ethernet Ports	8		16	24	
10Gigabit SFP+ Ports	2		4		
	Note: Supports DAC cable, and must be ≤ 5m				
Maximum no. of Supported Modules	SM-10G: 2 MM-10G: 2 RJ45-10G: 2		SM-10G: 4 MM-10G: 4 RJ45-10G: 2		
	Note: RJ45-10G modules must be interval inserted				
Console	1				
# of PoE Ports	/	8	16	/	24
Link Aggregation	5		10	14	
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)
Max Total PoE Output Power	/	120W	240W	/	360W
PoE Standards	/	IEEE 802.3af/at	IEEE 802.3af/at	/	IEEE 802.3af/at/bt
Auxiliary Ports	1x Reset Pinhole				
Forwarding Mode	Store-and-forward				
Total non-blocking throughput	28Gbps		56Gbps	64Gbps	
Switching Capability	56Gbps		112Gbps	128Gbps	
Forwarding Rate	41.644Mpps		83.328Mpps	95.232Mpps	
Packet Buffer	12MB				
Network Latency	<4μs				
Switching	<ul style="list-style-type: none"> • 16K static, dynamic and filtering MAC addresses • 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN • VLAN virtual interface • GVRP (pending) • Spanning tree, 32 instances for STP/RSTP/MSTP 				
Routing	<ul style="list-style-type: none"> • Static routing • Dynamic routing, including RIP, RIPng, OSPF and OSPFv3 • Policy routing (pending) 				
Multicast	<ul style="list-style-type: none"> • IGMP Snooping • MLD Snooping • MVR (pending) 				
QoS/ACL	<ul style="list-style-type: none"> • Port priority • Priority mapping • Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ • Traffic shaping • Rate limit • 2K ACL for Ethernet, IPv4 and IPv6 				
DHCP	DHCP server, DHCP relay, DHCP Option 82, 60, 160 and 43				
Maintenance	CPU and memory monitoring, SNMP, RMON, LLDP&LLDP-MED, backup and restore, syslog, diagnostics including Ping, Traceroute, port mirroring, UDLD (TBD) and copper test				
Security	<ul style="list-style-type: none"> • User hierarchical management and password protection, HTTPS, SSH, Telnet • 802.1X authentication • AAA authentication including RADIUS, TACACS+ • Storm control • Port isolation, port security, sticky MAC • Filtering MAC address • IP source guard, DoS attack prevention, ARP inspection • DHCP Snooping • Loop protection including BPDU protection, root protection(pending) and loopback protection(pending) • Kensington Security Slot (Kensington Lock) support 				
Mounting	Desktop, Wall-Mount, or Rack-Mount(rack-mounting kits included)				
System LEDs	1x tri-color LED for device tracking and status indication				
Power Supply LEDs	/	/	/	2x bi-color LEDs for per power supply PWR&RPS	
Data Transferring LEDs	10x green-color LEDs		20x green-color LEDs	28x green-color LEDs	
PoE Powered LEDs	/	8x yellow-color LEDs	16x yellow-color LEDs	/	24x yellow-color LEDs
Fan	/	/	2	/	3
Environmental	Operation: 0°C to 45°C, humidity 10-90% RH(Non-condensing) Storage: -10°C to 60°C, humidity: 5% to 95% RH(Non-condensing)				
Dimensions	330mm(L)x176mm(W)x44mm(H)		440mm(L)x200mm(W)x44mm(H)		440mm(L)x300mm(W) x44mm(H)
Unit Weight	1.45Kg	2.17Kg	3.03Kg	2.94Kg	4.69Kg
Package Content	<ul style="list-style-type: none"> 1x Switch 1x 1.2m(10A) AC Cable 1x 25cm Ground Cable 4x Rubber Footpads 1x Power Cord Anti-Trip 8x Screws (KM 3*6) 1x Quick Installation Guide 1x Console Cable(Optional) 2x Extended Rack-Mounting Kits 2x Rack-Mounting Kits 1x RPS, External Redundant Power Supply (Optional) 				
Compliance	FCC, CE, RCM, IC, UKCA				