GWN7813/P

Minimum Parameter	Compliance
Physical Characteristics and Architecture Requirements	
The switch should be 1U 19" Rack Mountable, mounting kit should be included	Yes
The switch should have 24 Port Gigabit (10/100/1000 Mbps) ports and 4 x 1/10G SFP+ Uplink ports. Should have 370W POE budget	Yes
The switch should have dedicated console port	Yes
Switch should have integrated trusted platform module (TPM) or equivalent for platform integrity to ensure the boot process is from trusted source	Yes (only support system firmware signatures after boot. The bootloader cannot protect
Performance Requirements	
The switch should have minimum 4GB DRAM, 8GB eMMC/Flash Memory	No (Support 2GB DDR3 and 1 GB Flash)
The proposed switch should have minimum 128 Gbps switching capacity	Yes
The switch should have minimum 8,000 MAC Address Table size	Yes
The switch should support minimum 500 lPv4/v6 routes and 256 IPv4 ACLs and 128 lPv6 ACLs	Yes
Layer-2, QoS and Security Features	
The switch should support Spanning Tree Protocol (STP/RSTP/MSTP),LACP,Voice VLAN	Yes

The switch should support IEEE 802.1Q VLANs (500 active VLANs) and MVRP or equivalent for automatic learning and dynamic assignment of VLANs	Partially support 4k vlan, but not support MVRP or automatic vlan learning yet.GVRP will be supported in the future.
The switch should support Strict priority (SP) queuing, Traffic prioritization (IEEE 802.1p) for real-time classification,Class of Service (CoS) sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ	Yes
The switch should support Access control lists (ACLs) for both IPv4 and IPv6 traffic.IPv6 ACL/QoS supports ACL and QoS for IPv6 network traffic	Yes
The switch should support concurrent IEEE 802.1X, Web, and MAC authentication schemes per switch port, up to 30 sessions of IEEE 802.1X, Web, and MAC authentications	Yes Web Authentication will be supported in the future.
The switch should support Control Plane Policing, STP BPDU port protection,DHCP (snooping) protection, dynamic ARP protection and port security,Security provides RA guard,dynamic lPv6 lockdown, and ND snooping	Partially RA guard,dynamic IPv6 lockdown, and ND snooping not supported yet.
Layer-3 Routing and Services Features from day-1	
The switch should support lPv4 and IPv6 Static Routing	Yes
Management Features	

The switch should support SNMP and Remote monitoring(RMON)	Yes
The switch should support sFlow or equivalent for traffic analysis.The switch should support Port mirroring	mirror supported. sFlow in the future
The switch should support REST APIs or equivalent	No
The switch should support TACACS+ and RADIUS	Yes
The switch should have Command Line Interface (CLI) with a hierarchical structure and SSH, Secure FTP/TFTP support	Yes
The switch should support Network Time Protocol (NTP) or SNTP	Yes
Certifications and Industry Recognition	
The switch should have RoHS compliance	Yes
The switch should have safety/emissions certifications including IEC/EN 62368-1,VCCI-CISPR 32,EN 55032;ICES-003 ;FCC CFR 47;IEC/EN 60825-1:2014	Yes but VCCI-CISPR 32、IEC/EN 60825-1:2014 supported without certifications.
Support and Warranty	
The switch shall be offered with minimum five years hardware warranty with Technical support from OEM directly	Yes