

Technical Specification for Fully Managed L3 switch

S.No.	Technical Specifications	
	24x1G PoE+ with 2x1G Copper and 4xSFP+ 1G/10G Fully Managed L3 switch	
1	Physical Interfaces	24 # 1G Base-T Copper PoE+ Ports, 02 # 1G Base-T Copper Ports, 4 # 10G Base-X Fiber SFP+ Ports Ethernet: Out-of-band 1G port, Console: RJ45 RS232, Console: USB-C, Storage: USB-A, PSU with On/Off switch, 1U Rackmount
2	CPU/ Memory	Quad-Core Cortex-A57 ARMv8 1.8Ghz 64-bit, 2GB RAM, Flash: 256 MB, Packet buffer memory: 16 MB
3	Performance	Switching fabric: 132 Gbps Line-Rate (non-blocking fabric), Throughput : Min. 98.21 Mpps, IP Multicast Routing Entries : 512 IPv4 & 128 IPv6, 16,000 MAC addresses (48-bit MAC address), Number of VLANs: 4,093 (IEEE 802.1Q) simultaneously, Jumbo Frames Up to 12K, 480W PoE Power Budget Multicast IGMP Group membership: 2K IPv4 & 2K IPv6, DHCP Server: IPv4: 256 pools IPv6: 16 pools, 4K ARP/NDP, sFlow: 16 samplers, 16 pollers, 8 receivers, Software-controlled fan adjustments Pre-configured for audio and video over IP out of the box with zero touch configuration, For audio, profiles for Dante, Q-SYS and AES67 AVB license should be available, Auto-Trunk and Auto-LAG, static, RIP and PIM-SM, DM and SSM multicast routing, DHCP Server and Pv2 Transparent Clock, Mean Time Between Failures (MTBF): 509,000 hours or more
4	L3 & L2 Services	Industry standard SNMP, RMON, MIB, AAA, sFlow, RSPAN and PTPv2, Voice VLAN with SIP, H323 and SCCP protocols detection, Number of IP interfaces 128, Multicast VLAN Registration Protocol (MVRP) RIPv1/RIPv2, Policy Based Routing (PBR), 802.1x MAC Address Authentication Bypass (MAB), IEEE 1588 PTPv2, IEEE 802.1BA-2011 Audio Video Bridging (AVB), IGMPv3 MLDv2 Snooping, Proxy ASM & SSM Control Packet Flooding, 802.1AS, 802.1Qav, 802.1Qat MSRP, 802.1ak MMRP, 802.1ak MVRP, Per VLAN Rapid STP (PVRSTP), BPDU/STRG Root Guard, VLAN routing, DHCP Relay, Stateful DHCPv6 Server
5	QoS	IEEE 802.1p CoS, DiffServ QoS, WRED, Single Rate Policing, Strict Priority queue technology, Auto-VoIP, MAC ACL Support, IP Precedence, Interface Traffic Shaping, PHB Support
6	Security	CPU Protection, DoS attack protection, ICMP throttling, Management ACL, Dynamic ACL, Port Security, ACL over VLAN, GVRP, Dynamic ARP Inspection, MAC Filtering, Port MAC Locking
7	Management	802.1ab LLDP and LLDP-MED, SNMP v1/v2/v3, RMON 1/2/3/9, Command Line Interface (CLI), Web-based graphical user interface (GUI), Admin access control via Radius and TACACS+, Telnet, Malicious Code Detection, SNTP, SSH v1/v2, Syslog, Persistent log supported
8	LEDs	Per port: Speed, link, activity, PoE Per device: Power, Fan
9	Environmental	Operating Temperature: 32° to 113°F (0° to 45°C) Operating Humidity: 90% maximum relative humidity, non-condensing
10	Certifications	CE mark, FCC Part 15 Class A, VCCI Class A, UL listed (UL 1950)/cUL IEC 950/EN 60950, certificate IEC 62368-1
11	Warranty and Support	Lifetime Hardware Replacement Warranty, Lifetime free latest firmware support, Replacement with New Product Only No refurbished Products.