PureLink VIP-NET-4804PP-1G PoE+ Gigabit Network Switch (48 Port 1000Base-T/4 Port 10GbE SFP+)

General Specifications	
Fixed Ports	48*10/100/1000 Base-T ports 4*10GbE SFP+ combo ports 1*Console port
PoE Functions	IEEE802.3at (PoE+ 30W), IEEE802.3ad (PoE+ 15.4W)
PoE Power	740W
Switching Capacity	176 Gbps
Packet Forwarding Capacity	130.95 Mpps
Input Voltage	AC:110240V/5060Hz
Operating environment	Operating temperature: 0℃–50℃ Relative humidity: 5%–95% (non-condensing)
Dimensions	17.4" (L) × 14.7" (W) × 1.7" (H)
Weight	12.3 lbs. (5.6 kg)
L2 Switching	
Spanning Tree	IEEE802.1D (STP) IEEE802.1W (RSTP) IEEE802.1S (MSTP)
VLAN	Supports up to 4K VLANs simultaneously (out of 4096 VLAN IDs) Port-based VLAN 802.1Q tag-based VLAN MAC-based VLAN Management VLAN Private VLAN Edge (PVE) Q-in-Q (double tag) VLAN Voice VLAN GARP VLAN Registration Protocol (GVRP)
DHCP Relay	Relay of DHCP traffic to DHCP server in different VLAN Works with DHCP Option 82
IGMP v1/v2/v3 Snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters Supports 1024 multicast groups
IGMP Querier	IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router
IGMP Proxy	IGMP snooping with proxy reporting or report suppression actively filters IGMP packets in order to reduce load on the multicast router
MLD v1/v2 Snooping	Delivers IPv6 multicast packets only to the required receivers
L3 Switching	
IPv4 Static Routing	IPv4 Unicast: Static routing
IPv6 Static Routing	IPv6 Unicast: Static routing
Security	
Secure Shell (SSH)	SSH secures Telnet traffic in or out of the switch SSH v1 and v2 are supported
Secure Sockets Layer (SSL)	SSL encrypts the http traffic, allowing advanced secure access to the browser-based management GUI in the switch
IEEE 802.1X	IEEE802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN, single/multiple host mode and single/multiple sessions Supports IGMP-RADIUS based 802.1X Dynamic VLAN assignment
Layer 2 Isolation Private VLAN Edge	PVE (also known as protected ports) provides L2 isolation between clients in the same VLAN Supports multiple uplinks
Port Security	Locks MAC addresses to ports, and limits the number of learned MAC address
IP Source Guard	Prevents illegal IP address from accessing to specific port in the switch
RADIUS/TACAS+	Supports RADIUS and TACACS+ authentication. Switch as a client
Storm Control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
DCHP Snooping	A feature acts as a firewall between untrusted hosts and trusted DHCP servers

ACLs	Supports up to 256 entries. Drop or rate limitation based on: Source and destination MAC, VLAN ID or IP address, protocol, port, Differentiated services code point (DSCP) / IP precedence TCP/ UDP source and destination ports 802.1p priority Ethernet type Internet Control Message Protocol (ICMP) packets TCP flag
Management	
DHCP	Supports DHCP server to assign IP to DHCP clients
Remote Monitoring	Embedded RMON agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis
Management Access Filtering	SNMP Web Telnet SSH
PoE Management	Scheduling, Auto-Checking, Power Delay
SNMP (v1, v2c, v3), RMON (1,2,3 & 9 Groups), Software Upgrade, Configuration Export/Import, Port Mirroring, LLDP (IEEE802.1AB), LLDP-MED (IEEE802.1AB), CDP Aware, sFlow IPv6 Management, NTP	