PS4840GT-380

48 10/100/1000TX + 4 10G SFP+ Managed PoE Switch

PS4840GT-380 is a full Gigabit managed PoE switch with 48 Gigabit adaptive ports and 4 independent 1G/10G SFP/SPF+ fiber ports. The machine has an oversized 176Gbps backplane bandwidth with 130.944Mpps @64Bytes Switch Throughput to accommodate full line rate forwarding on the port. The machine is equipped with a 19" 1U standard chassis, which can be used in the desktop or on the rack. Excellent performance can help you to use it in wireless AP, surveillance and other fields.

Key Features

- Support 4 1G/10G SFP/SFP+ ports, 48 10/100/1000M UTP PoE ports
- Support the IEEE802.3af/at standard PoE power supply, power up to 30W maximum power supply port
- Support Ethernet ring network protocol ERPS

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- Support spanning tree (STP) and fast spanning tree (RSTP) protocol and multi spanning tree (MSTP) protocol
- Support 4K VLAN 802.1Q
- Support port based, 802.1P, COS/DSCP, MAC address, ID VLAN, Type QOS and other Ethernet services
- Supports 256 ACL access control rules
- Support device online upgrade, support device configuration upload and download

Specifications

Features	Description
Port	**Downlink Copper Ports :** 48 10/ 100/1000Base-TX ports **MGMT Copper Ports :** 1 10/100/1000Mbps ports **Uplink SFP/SFP+ mini-GBIC Slots :** 4 10GE SFP+ **Console port :** 1 RJ45
	support MDI/MDI-X adaptive support half-duplex, full-duplex, auto-negotiation working mode connector type: RJ-45, SFP/SFP+ slot conforms to IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3ae, IEEE802.3af, IEEE802.3at standard support 10/100/1000 Mbps, 10G transmission rate
Memory	Boot Flash: 4Mbytes or 32Mbits, DDR3 RAM : 2GB, NAND Flash: 16Gbits
Layer 2 switching	All ports support line rate forwarding
Switching capacity	176G(48x1GE + 4x10GE)
Forwarding rate	130.944Mpps @64Bytes
Switch	Storage and forwarding mode
MAC	Automatic learning and aging of MAC addresses Static, dynamic, and blackhole MAC address entries Packet filtering based on source MAC addresses Limitation on MAC address learning on interfaces (Port

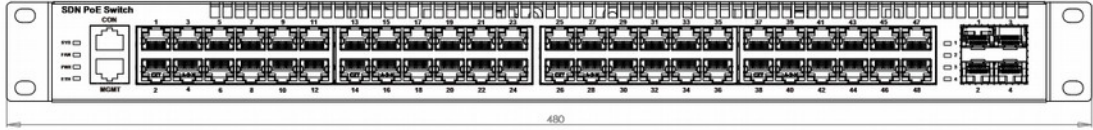|	
	Security) Unicast MAC address Capacity : 32768 Multicast MAC address Capacity : 2048
Jumboframe	9.6K
Port feature	Interface isolation and forwarding restriction
Port mirroring	Support
VLAN	VLAN access modes: access, trunk, and QinQ MAC based VLAN Classification IP based VLAN Classification Protocol based VLAN Classification Default VLAN Voice VLAN Private VLAN
Link aggregation	IEEE802.3ad Link aggregation (Static/LACP) 31 TRUNK groups, each group supports up to 16 ports.
Flow control	supports IEEE 802.3x and back-pressure
Bandwidth control	Minimum granularity: 64kbps
Spanning tree protocol	IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s multi-process spanning tree protocol (MSTP)
Ring network protocol	supports ERPS
Multicast	IGMP Snooping v1v2v3 fast leave
Static ARP	Support
Static Routing	Support
ACL	support 256 groups based on standard IP, extended IP, MAC IP, ARP ACL
QoS	**Traffic classification :** Traffic classification based on the combination of the MAC address, IPv4/IPv6 address, L2 protocol header, TCP, UDP, outgoing interface, and 802.1p field **Traffic behaviors :**

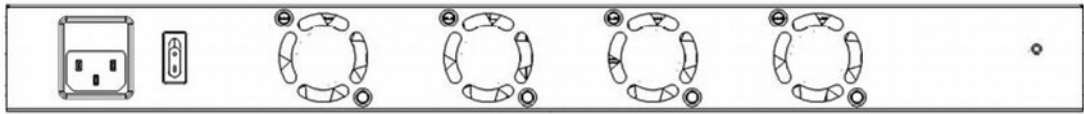|	
	• Access control after traffic classification • Traffic policing based on traffic classification (Policer) • Re-marking based on traffic classification (COS, DSCP) • Class-based packet queuing **Queue scheduling :** • SP (Strict Priority) • WDRR (Weighted Deficit Round Robin) • SP + WDRR **Congestion avoidance:** • Tail Drop, WRED (Weighted Random Early Detection) **Shaping :** • Shaping based on Interfaces and queues
Security	Hierarchical CLI protection to prevent unauthorized users from accessing Switch SSH v2.0 RADIUS and TACACS+ authentication ACL filtering (Standard ACL and extend ACL) DHCP packet filtering (Option 82) ARP Inspection IP Source Guard CPU Traffic Limit Prevent DDOS attack (ICMP Flood/Smurf/Fragile/LAND/SYN Flood) BHM (Beat Heart Monitor)
Configuration and Management	Terminal service: • Configurations through CLI (Command Line Interface) • Help information • Login through console and Telnet terminals File system: • Directory and file management • Upload and download files through FTP/TFTP/SCP IP Application: • DHCP Relay • DHCP Snooping

	• DHCP Client
	• DNS
	• NTP
	• LLDP(IEEE 802.1ab)
	Debugging and maintenance:
	• Management of logs, alarms, and debugging information
	• Diagnostic information collect
	• Local and remote mirroring/multi-destination mirror
	Network management:
	• s-Flow
	• Ping and traceroute
	Version upgrade:
	• Online upgrade software image
	• Online upgrade of the BootROM
	WEB:
	• support WEB UI for HTTP/HTTPS(optional)
	User management:
	• multi-user management
	SNMP:
	• SNMP(v1/v2c/v3) Get/Set/TRAP
PoE port	48
Power Module	Max. 380W (for System and PoE budget)
PoE standard	IEEE802.3af and IEEE802.3at, each port provides a maximum of 30W
Pin definition	V+ (RJ45 Pin 1, 2), V- (RJ45 Pin 3, 6)
Input voltage	100V ~ 240V AC, 50/60Hz
Power consumption	< 65W (without PoE load)
Operating temperature	0°C～40°C
Storage temperature	10°C～70°C
Relative humidity	20%～85% (non-condensing)
Heat dissipation	8 fans (4 controllable , 4 uncontrollable)active for heat dissipation

Dimensions/Weight	440 mm*395mm*44mm /5.1 kgs

--Front View—

--Rear View—

Order Information

PS4840GT-380 - 48 10/100/1000M PoE UTP + 4 1G/10G SFP/SFP+, 380w Power

Package Contents

Quick Installation Guide