

Aggregation Switch

HSP-IO-48GE4XS-C3PA⁺

48-Port PoE+ L3 Lite Managed Switch
(48x1 GE access + 4x1/10 GE uplink)



Overview

- Fully Managed L2 Switch with wire speed Non-Blocking Architecture
- All Gigabit Ethernet Access Ports with 10G Uplinks in a fixed 1U configuration
- 48x10/100/1000 PoE+ enabled Access ports
- 4x1/10G SFP+ Uplink Ports that allow termination on either fiber or copper based on SFP module
- Powerful WebGUI with DMS and automapping feature
- Upto 176 Gbps Switching capacity and up to 130.944 MPPS of Full Duplex Throughput
- Comply with Energy Efficient Ethernet Standards (802.3az)
- PoE Variants Suitable as access or aggregation switch and deployment of Wi-Fi AP/CCTV/IP Phones

Switch Ports

- 48x10/100/1000 Base-T PoE+ Gigabit Access Ports
- 4x1/10G SFP+ Uplink Ports (MSA Compliant) with the flexibility to terminate the connection on copper or fiber-based SFP module
- One Serial Console Port
- Link / Speed / LED Status on All ports
- System status LED

Industry Standard Management with Automation

- CLI and WebGUI
- Dual Stack (IPv4 and IPv6) Management
- Telnet, SSHv2 and SNMP v1/v2/v3, RMON and sFlow
- NTP, FTP, TFTP, SCP, SFTP, Port Mirroring, Traceroute
- DHCP Server, Relay and Client
- TDR (Time domain reflectometry) for cable diagnostics
- Zero Touch Provisioning

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KEY FEATURE HIGHLIGHTS



Rich L2 Features

- Support 4094 VLAN IDs, 32K MAC Table, Voice VLAN, IPSubnet VLAN, Protocol VLAN, Private VLAN, MAC based VLAN, GVRP and MVRP
- L2 Loop Avoidance – STP/RSTP, MSTP, STP Root and Edge Port Protection, Loop back detection, UDLD, ELPS and ERPS
- Multicast - IGMP v1/v2/v3 Snooping, IGMP filtering, IGMP proxy, MLD Snooping, MVR
- LACP based LAG and Static LAG with Traffic load share and active –standby policies
- 802.1q and QinQ (Port based and Selective)
- QoS – Up to eight priority queues, Rate Limiting/ Policing, Shaping (SP, WRR), Multi-Field (802.1p / DSCP) Classification and Remarking
- LLDP / LLDP MED to identify end points, IP Phones etc.
- Jumbo MTU upto 10240 Bytes

L3 Features

- IPv4 and IPv6 Static Routing
- RIP v1/v2 L3 Dynamic Routing
- OSPFv2/v3 L3 Dynamic Routing
- Inter-VLAN Routing
- IPv4/IPv6 Dual Stack

Switching / Forwarding Capacity

Switching Capacity	176 Gbps
Forwarding Capacity	130.944 MPPS

Security Features

- L2/L3/L4 ACL with extended features
- 802.1X Port Security with Radius Accounting & Dynamic VLAN Assignment
- TACACS+ / RADIUS AAA
- DHCP snooping, Dynamic ARP Inspection
- Port Security, Sticky MAC, IP-MAC Binding
- PKI Key, Certificate
- Storm Control - Broadcast, Multicast and Unknown Unicast

PoE Features

- PoE Budget - 740W
- Per port PoE configuration and scheduling
- Auto PoE Check and reboot if device does not respond
- Persistent PoE and Power Delay (to let the device boot)

Design Parameters

- Operating Temperature: -5°C to 50°C
- 1U fixed configuration
- Humidity: 10% to 90% non-condensing
- Altitude: 3000 Meters (10,000 Feet)
- Dimension (WxHxD): 442 x 44 x 375 mm

Power Supply Options

- Integrated Single AC Power Supply (100-240 VAC)

Ordering Information

Model No.	Description
HSP-IO-48GE4XS-C3PA ⁺	IO, 48-Port, PoE/PoE+, L3 Lite Managed Switch, 4x1/10G SFP+ Uplinks, Single AC Power Supply
HSP-IO-Cable-AC-IN	AC Power Cable, 1.5M (India Plug)

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