

## Aggregation Switch

### HSP-IO-24GE4XS-C2PAH

24-Port PoE/PoE+ L2 Managed  
(24x1 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
- 24x10/100/1000 PoE / PoE+ Access ports with variable PoE budget options
- 4x1/10G SFP+ Uplink Ports that allow termination on either fiber or copper based on SFP module
- Powered by fully indigenously developed NiOS
- Comply with Energy Efficient Ethernet Standards (802.3az)
- Upto 128 Gbps Switching capacity and up to 95.232 MPPS of Full Duplex Throughput
- PoE Variants Suitable as access or aggregation switch and deployment of Wi-Fi AP/CCTV/IP Phones

#### Switch Ports

- 24x10/100/1000 Base-T 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
- One RJ45 Management Port
- Link / Speed / LED Status on all ports
- System status LED

#### Industry Standard Management with Automation

- CLI and GUI (with NMS Server)
- Dual Stack (IPv4 and IPv6) Management
- Telnet, SSHv2 and SNMP v1/v2/v3 support
- NTP, FTP, TFTP, SCP, SFTP, Port Mirroring, Traceroute
- DHCP Relay & Client\*
- Built-in Event Policy / Scheduler Framework for Automation
- Zero Touch Provisioning

\*Contact sales representative for use case

# HSP-IO-24GE4XS-C2PAH

## KEY FEATURE HIGHLIGHTS



### Rich L2 Features

- Support 4094 VLAN IDs, 16K MAC Table, Voice VLAN
- L2 Loop Avoidance – STP/RSTP, MSTP, ERPS, STP Root and Edge Port Protection
- Multicast - IGMP v1/v2/v3 Snooping, IGMP filtering, IGMP proxy
- LACP based LAG and Static LAG with Traffic load share and active –standby policies
- Static Routing & Inter-VLAN Routing, Dual Stack and IPv6 Compliant
- 802.1q and QinQ (Port based and Selective), MVRP
- QoS – Up to eight priority queues, Rate Limiting/Policing, CIR/ EIR, Shaping (SPQ / WRR/ WFQ), Multi-Field (802.1p / DSCP) Classification and Remarking
- LLDP / LLDP MED to identify end points, IP Phones etc.
- Jumbo MTU upto 9198 Bytes

### Certifications

- Environment: IEC 60068-2, QM-333, RoHS
- EMI/EMC: EN 55024, EN 55032, CISPR 24, CISPR 32, IEC 61000-4
- Safety: EN 62368-1, IEC 62695-11-10, IEC 60320-1
- Software: IPV6 Ready Logo Certified

### Security Features

- L2/L3/L4 ACL
- 802.1X Port Security with Radius CoA, dACL, Accounting & Dynamic VLAN Assignment
- TACACS+ / RADIUS AAA
- DHCP snooping, ARP Inspection
- MAC-IP Anti spoofing, MAC Address Notification
- Inherent DoS Attack Prevention
- Storm Control - Broadcast, Multicast and Unknown Unicast

### Switching / Forwarding Capacity

**Switching Capacity** 128 Gbps

**Forwarding Capacity** 95.232 MPPS

### Design Parameters

- Operating Temperature: 0°C to 50°C
- Fans for Cooling (In Modular Power/Fans Variants)
- 1U fixed configuration

### Power Supply Options

- Dual AC Power Supply

## Ordering Information

Model No.	Description
HSP-IO-24GE4XS-C2PAH	IO, 24-Port, PoE/PoE+, L2 Managed Switch, 4x1/10G SFP+ Uplinks, Dual AC Power Supplies
HSP-IO-PSU-300	Modular AC Power Supply, 300Watts
HSP-IO-PSU-600	Modular AC Power Supply, 600Watts
HSP-IO-PSU-920	Modular AC Power Supply, 920Watts
HSP-IO-Cable-AC-IN	AC Power Cable, 1.5M (India Plug)

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