

## Aggregation Switch

### HSP-IO-24GE4XS-C3A+

24-Port Non PoE L3 Lite Managed Switch  
(24x1 GE Access + 4x1/10G SFP+ Uplinks)



#### Overview

- Fully Managed L3 Lite Switch with wire speed Non-Blocking Architecture
- All Gigabit Ethernet Access Ports with 10G Uplinks in a fixed 1U configuration
- 24x10/100/1000 Base-T 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 128 Gbps Switching capacity and up to 95.232 MPPS of Full Duplex Throughput
- Comply with Energy Efficient Ethernet Standards (802.3az)
- Non-PoE Variants Suitable as access or aggregation switch in Enterprise/ Campus/ Telco Environment

#### 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
- 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

# HSP-IO-24GE4XS-C3A+

## KEY FEATURE HIGHLIGHTS



### Rich L2 Features

- Support 4094 VLAN IDs, 32K MAC Table, Voice VLAN, IPsubnet VLAN, Protocol VLAN, Private VLAN, MAC based VLAN, MVRP
- L2 Loop Avoidance – STP/RSTP, MSTP, STP Root and Edge Port Protection, Loop back detection, UDLD
- 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)
- 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

### Power Supply Options

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

### 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

### 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 211 mm

### Switching / Forwarding Capacity

**Switching Capacity** 128 Gbps

**Forwarding Capacity** 95.232 MPPS

### Ordering Information

Model No.	Description
<b>HSP-IO-24GE4XS-C3A+</b>	IO, 24-Port, Non PoE, L3 Lite Managed Switch, 4x1/10G SFP+ Uplinks, Single AC Power Supply
<b>HSP-IO-Cable-AC-IN</b>	AC Power Cable, 1.5M (India Plug)

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