



# Commercial Access Switch Extensive Switching Solutions

## 8-PORT L2 (Commercial Access Switch)

8-Port L2 Managed  
(8 GE access + 4 GE uplink)



PoE Budget Flexibility with Smart PoE

Secured Operating System

Management with Automation Capabilities



### Overview

- Fully Managed L2 Switch with wire speed Non-Blocking Architecture
- All Gigabit Ethernet Ports in a fixed 1U configuration
- Eight 1G Access ports with PoE and Non-PoE Options
- Four 1G Uplink Ports that allow termination of both fiber and copper simultaneously
- Multiple Power Supply options (Single, Redundant, Universal (AC+DC)) to choose from
- Upto 24 Gbps Switching capacity and up to 12 Gbps of Full-Duplex Throughput
- PoE Variants Suitable in an enterprise/telco environment to connect end PoE clients like Wi-Fi AP, CCTV, P2P, P2MP, IoT etc.
- Non PoE Variants Suitable to connect Small Cells / BTS, P2P/P2MP etc. in telco environment and Desktops/Servers, IP-Phone etc. in an Enterprise / Campus environment



## HSP 8-Port L2 Managed Switch Variants

### **Model: HSP-IO-8GE2S-C2U**

HFCL 8-Port Non-PoE L2 Managed Switch with 2×1G SFP and 2×1G RJ45 Uplinks and Universal Power Supplies

### **Model: HSP-IO-8GE2S-C2D**

HFCL 8-Port Non-PoE L2 Managed Switch with 2×1G SFP and 2×1G RJ45 Uplinks and Single DC Power Supply

### **Model: HSP-IO-8GE2S-C2A**

HFCL 8-Port Non-PoE L2 Managed Switch with 2×1G SFP and 2×1G RJ45 Uplinks and Single AC Power Supply

### **Model: HSP-IO-8GE2S-C2DH**

HFCL 8-Port Non-PoE L2 Managed Switch with 2×1G SFP and 2×1G RJ45 Uplinks and Dual DC Power Supplies

### **Model: HSP-IO-8GE2S-C2PU**

HFCL 8-Port PoE+ L2 Managed Switch with 2×1G SFP and 2×1G RJ45 Uplinks and Universal Power Supplies

### **Model: HSP-IO-8GE2S-C2PD**

HFCL 8-Port PoE+ L2 Managed Switch with 2×1G SFP and 2×1G RJ45 Uplinks and Single DC Power Supply

### **Model: HSP-IO-8GE2S-C2PA**

HFCL 8-Port PoE+ L2 Managed Switch with 2×1G SFP and 2×1G RJ45 Uplinks and Single AC Power Supply

### **Model: HSP-IO-8GE2S-C2PDH**

HFCL 8-Port PoE+ L2 Managed Switch with 2×1G SFP and 2×1G RJ45 Uplinks and Dual DC Power Supplies

## Features



### Switch Ports

- 8×10/100/1000 Base-T Gigabit Access Ports
- 2×10/100/1000 Base-T + 2×1G SFP Gigabit Uplink Ports with the flexibility to terminate the connection on copper as well as fiber simultaneously
- One Serial Console Port
- Link / Speed / PoE LED Status on All ports
- System status LED & onboard RESET button



## Switching / Forwarding Capacity

- Switching Capacity: 24 Gbps
- Forwarding Capacity: 17.86 MPPS



## 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, MLD Snooping
- LACP based LAG and Static LAG with Traffic load share and active-standby policies
- Static Routing and 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



## 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, IPv6 ND Inspection
- MAC-IP Anti spoofing, MAC Address Notification
- Inherent DoS Attack Prevention
- Storm Control - Broadcast, Multicast and Unknown Unicast



## Industry Standard Management with Automation

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



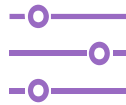
## PoE Capabilities (PoE Variant)

- Each access port comply with 802.3af/802.3at with Max power output of 30W per port
- PoE Budget options: 120W, 180W & 240W
- Smart PoE Capabilities like dynamic and static allocation of power to end host, PoE Port priority, and PoE Traffic Monitor



## Power Supply Options

- The Universal Supply with option of either connecting to an AC or DC input (100V to 240V AC, -44V to 57V DC)
- Single Supply option: Only AC or DC input
- Redundant DC supplies



## Other Design Parameters

Operating Temperature:  
0°C to 55°C

Passive Cooling with  
Fanless Design

1U Fixed  
Configuration



## Applications

Suitable for secured access/edge network deployment for various Enterprise and Telco applications like Campus/IT, Radio, Surveillance, Wi-Fi, IoT and last-mile Ethernet Aggregation



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