



# Industrial Access Switch

## Top-Notch Switching Solutions with Innovative Technology

### 8-PORT Industrial L2 (Industrial Access Switch)

#### HSP-10-8GE2S-I2PDH

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



Secure Operating System

PoE Budget Flexibility with Smart PoE

Management with Automation Capabilities

Rugged Design & Temperature Hardened



#### Overview

- Fully Managed L2 Switch with wire speed Non-Blocking Architecture
- All Gigabit Ethernet Ports in a fixed configuration
- Eight 1G PoE+ Capable Access ports
- Four 1G Uplink Ports that allow termination of both fiber and copper
- simultaneously Dual Redundant Power supply for high availability
- Rugged Design with DIN rail mount suitable for outdoor applications
- Up to 24 Gbps Switching capacity and up to 12 Gbps of Full-Duplex Throughput
- Suitable in an enterprise/telco environment to connect end PoE clients like Wi-Fi AP, CCTV, P2P, P2MP, IoT, etc.

# Features



## Switch Ports

- 8×10/100/1000 Base-T Gigabit Access Ports with PoE+ support
- 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 Variants only)

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



## Power Supply Options

- Dual DC Supply for High Availability
- DC Operating voltage range: -44V to 57V DC



## Other Design Parameters

Operating Temperature:  
-40°C to 75°C

Rugged Design with  
DIN Rail Mount



# Applications

Outdoor field deployments at access layer in enterprise and telco applications like CCTV, Wi-Fi, Last mile CPE L2 aggregation, etc.

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[iosupport@hfcl.com](mailto:iosupport@hfcl.com) | [www.hfcl.com](http://www.hfcl.com) | [www.io.hfcl.com](http://www.io.hfcl.com)  
8, Commercial Complex, Masjid Moth Greater Kailash-II, New Delhi-110048