

Access Switch

HSP-IO-8GE2S-C2PA+

8-Port PoE/PoE+ L2 Managed Switch



Overview

- Fully Managed L2 Switch with wire speed Non-Blocking Architecture
- All Gigabit Ethernet Access Ports with 2x1G SFP and 2x1G RJ45 Uplinks in a fixed 1U configuration
- 8x10/100/1000 Base-T PoE/PoE+ Access Ports
- Uplink Ports that allow termination on fiber and copper as required
- Powerful WebGUI with industry standard Command Line Interface
- Upto 24 Gbps Switching capacity and up to 17.856 MPPS of Full Duplex throughput
- Comply with Energy Efficient Ethernet Standards (802.3az)
- PoE Variants Suitable as access Switch and deployment of Wi-Fi AP/CCTV/IP Phones

Switch Ports

- 8x10/100/1000 Base-T PoE+ Gigabit Access Ports
- 2x100/1000 SFP Uplink Ports (MSA Compliant)
- One Serial Console Port and One Out-of-Band Management Port
- Link, Activity, Speed, PoE Status LEDs
- System status LED and onboard RESET button

Industry Standard Management with Automation

- **Management Interfaces:** CLI and WebGUI
- **Protocol Support:** Dual Stack (IPv4/IPv6), Telnet, SSHv2, SNMP v1/v2/v3, SMTP
- **Monitoring & Analytics:** RMON, sFlow, Port Mirroring, L2 and L3 Traceroute
- **Time Services:** NTP and Secure NTP
- **IP Services:** DHCP Server, Relay, and Client
- **File Transfer & Provisioning:** FTP, TFTP, SCP, SFTP, Zero Touch Provisioning
- **Diagnostics & Resiliency:** Time Domain Reflectometry, Dying Gasp

HSP-IO-8GE2S-C2PA+

KEY FEATURE HIGHLIGHTS



Rich L2 Features

- **VLANs:** Support up to 4094 VLAN IDs, Voice VLAN, IP-subnet VLAN, Protocol-based VLAN, Private VLAN, MAC-based VLAN, GVRP/MVRP for dynamic VLAN registration
- **Loop Avoidance & Resiliency:** STP (802.1D), RSTP (802.1w), MSTP (802.1s); STP Root and Edge Port Protection; ERPS (ITU-T G.8032); UDLD (Unidirectional Link Detection)
- **Multicast:** IGMP v1/v2/v3 Snooping, IGMP Filtering, IGMP Proxy, IGMP Querier, MLD Snooping and MVR (Multicast VLAN Registration)
- LACP-based LAG, Static LAG with load sharing and active-passive policies
- IEEE 802.1Q VLAN Tagging, QinQ (Port-based)
- **QoS:** Up to eight priority queues, Rate Limiting/Policing, Shaping (SP, WRR), Multi-Field (802.1p/DSCP) Classification and Remarking
- LLDP and LLDP-MED for end-point/VoIP device discovery
- **MAC Table:** 8K entries, Jumbo MTU: 9216 Bytes

PoE Features

- PoE Budget - 130W
- 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)

Security Features

- L2/L3/L4 ACL with extended features
- 802.1X Port Security with RADIUS Accounting & Dynamic VLAN Assignment, Dynamic/Downloadable ACLs
- **AAA Support:** TACACS+, RADIUS and RADSec
- DHCP snooping, Dynamic ARP Inspection, DHCPv6 Guard
- Port Security, Sticky MAC, IP-MAC Binding
- PKI Key, Certificate, SSL IPv4/IPv6, IPv6 Source Guard
- Storm Control - Broadcast, Multicast and Unknown Unicast

Switching / Forwarding Capacity

Switching Capacity 24 Gbps

Forwarding Capacity 17.856 MPPS

Design Parameters

- Operating Temperature: 0°C to 50°C
- 1U fixed configuration
- Humidity: 5% to 95% non-condensing
- Altitude: 3000 Meters (10,000 Feet)
- Dimension (WxHxD): 220 x 44 x 242 mm

Power Supply Options

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

HSP-IO-8GE2S-C2PA+

KEY FEATURE HIGHLIGHTS



Compliance & Certifications

EMI/EMC (TEC)	IEC 61000-4
EMI/EMC (CE)	EN55032 / EN55024
FCC Compliance	FCC Part-B
Safety (CE)	EN62368-1
Reliability Test	QM333 Cyclic
Environmental Tests	IEC 60068-2
ESS Tests	IEC 60068-2 (Vibration, Shock, Drop, Bump, High Altitude)
MTCTE (India)	Mandatory Testing & Certification of Telecom Equipment
Trusted Portal	Country-specific security/trust compliance
RoHS	Restriction of Hazardous Substances
IPv6 Logo	IPv6 Ready Logo Certification (Phase-2 Gold)

Ordering Information

Model No.	Description
HSP-IO-8GE2S-C2PA+	IO, 8-Port, PoE/PoE+, L2 Managed Switch, 2x1G SFP and 2x1G RJ45 Uplinks, Single AC Power Supply
HSP-IO-Cable-AC-IN	AC Power Cable, 1.5M (India Plug)

Disclaimer: HFCL, IO by HFCL, and their respective logos are trademarks and/or registered trademarks of HFCL Limited. HFCL Limited assumes no responsibility for any inaccuracies in this document and reserves the right to revise or transfer this document without notice. All other trademarks, service marks, registered marks, or registered service marks mentioned herein are the property of their respective owners.

Last Updated September 2025



Email: iosupport@hfcl.com

Website: hfcl.com | io.hfcl.com

Office: 8, Commercial Complex, Masjid Moth, Greater Kailash II, New Delhi 110048