

HFCL 8-Port Switch

HSP-IO-8GE2S-C2PA

Commercial Access Switch Product



Overview

- Fully Managed L2 Switch with wire speed Non-Blocking Architecture
- Up to 24 Gbps switching capacity and 17.86 MPPS of Full-Duplex throughput
- Highly secure with security hardened protocol stack and Inherent DoS attack prevention
- All Gigabit Ethernet PoE+ Ports in a fixed 1U configuration
- 2x1G RJ45 and 2x1G SFP Uplink ports that allow termination of both fiber and copper
- Suitable to connect small cells / BTS, P2P, P2MP, SOHO, Wi-Fi APs, CCTV and IP-Phone connectivity

Key Feature Highlights

All Gigabit Ports	Access ports with 10/100/1000 Mbps and SFP Uplink Ports with both copper and fiber termination options (SFP based). Support Auto MDIX as well as Auto-Negotiation on RJ45 based ports.	Secured OS	Powered by fully indigenously developed NIOS with a security hardened protocol stack and features like L2/L3/L4 ACL, DHCP snooping, Dynamic ARP Inspection, 802.1x Port Security with dACL.
Rich L2 Features	Dual-Stack (IPv4/IPv6) Support, 4K VLAN, 16K MAC, L2 loop avoidance mechanisms like STP/RSTP/MSTP/ERPS, L2 Multicast (IGMP), QoS, Static Routing.	Industry Standard Management	Support secured management access over CLI and Web (via SNMP Server) with built-in scripting and event scheduler framework.
Go-Green	Comply with Energy Efficient Ethernet Standards (802.3az).		

Switch Ports

- 8x10/100/1000 Base-T PoE+ Gigabit Access Ports
- 2x1G-RJ45 and 2x1G SFP Uplink Ports (MSA Compliant)
- One Serial Console Port
- Link / Speed / LED Status on All ports
- System status LED & onboard RESET button

Industry Standard Management & Automation

- CLI and Web (Via SNMP Server)
- Built-in Event Policy / Scheduler Framework for Automation
- 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*
- Zero Touch Provisioning

*Contact sales representative for use case

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

- **Software:** IPV6 Ready Logo Certified
- **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 60695-11-10, IEC 60320-1

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 24 Gbps

Forwarding Capacity 17.86 MPPS

Design Parameters

- Operating Temperature: 0°C to 55°C
- Passive Cooling with Fan less Design
- 1U fixed configuration

Power Supply Options

- Single Integrated AC power

Ordering Information

Model No.	Description
HSP-IO-8GE2S-C2PA	IO, 8-Port, PoE/PoE+, L2 Managed Switch, 2x1G SFP + 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 March 22, 2024



Email: iosupport@hfcl.com

Website: hfcl.com | io.hfcl.com

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