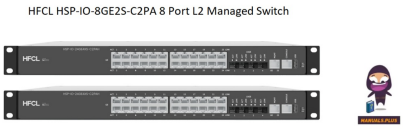
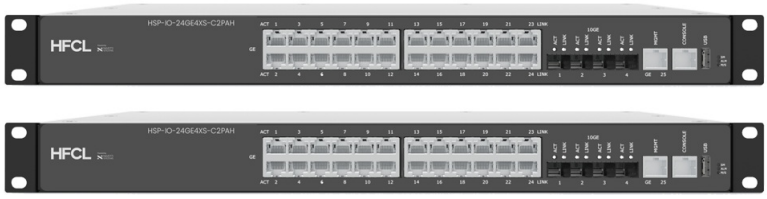


HFCL HSP-IO-8GE2S-C2PA 8 Port L2 Managed Switch User Guide

Contents

HFCL HSP-IO-8GE2S-C2PA 8 Port L2 Managed Switch



Product Specifications

- **Capacity:** Switching: 24 Gbps, Forwarding: 17.86 mpps
- **Port Configuration:** 8×10/100/1000 Base-T Gigabit Access Ports with PoE+ and Non-PoE support

- **Uplink Ports:** 2×10/100/1000 Base-T, 2x1G SFP Gigabit Uplink Ports
- **PoE Feature:** 240W (PoE Budget), Smart PoE
- **L2 Features:** Support 4094 VLAN IDs, 16K MAC Table
- **Security:** L2, L3, L4 ACLs, 802.1X Authentication (RADIUS, TACACAS+)
- **Storm Control:** Broadcast, Multicast and Unknown Unicast
- **Management:** CLI, Telnet, SSHv2, SNMP v1/v2/v3 and ZTP
- **Temperature:** Operating: 0 to 55 degree
- **Power Input:** 100V to 240V for AC and -44V to 57V for DC

Product Usage Instructions

Bracket Assembly

Steps to assemble brackets for rack mounting:

1. Secure the brackets to the device using the supplied screws from the Mounting Accessory.
2. Install the device in the rack using four rack-mounting screws. Ensure lower rack-mounting screws are secured first.
3. If installing multiple switches, mount them one below the other in any order.
4. Securely connect to the power source and turn it on to configure and operate.

Login Access

To access the Switch console, use RJ45 to DB9 serial port adapter with the following settings:

- Speed: 115200 bps
- Data bits: 8 Stop bit: 1
- Parity: none Flow control: Hardware

Applicable on

- **HSP-IO-8GE2S-C2PA**
  IO 8-Port PoE+ L2 Managed Switch with 2x1G SFP and 2x1G RJ45 Uplink ports and Single AC Power Supply
- **HSP-IO-8GE2S-C2PD**
  IO, 8-Port, PoE+, L2 Managed Switch, 2x1G SFP + 2x1G RJ45 Uplinks, Single DC Power Supply
- **HSP-IO-8GE2S-C2D**
  IO, 8-Port, Non-PoE, L2 Managed Switch, 2x1G SFP + 2x1G RJ45 Uplinks, Single DC Power Supply
- **HSP-IO-8GE2S-C2A**
  IO, 8-Port, Non-PoE, L2 Managed Switch, 2x1G SFP + 2x1G RJ45 Uplinks, Single AC Power Supply
- Indigenously developed Secured Network OS
- High-Speed Fiber & Copper based backhaul
- Zero Touch Provisioning & Automation Capabilities

Introduction

Thank you for choosing the 8-port L2 commercial Switch from HFCL Switching Platform (HSP). PoE Variants Suitable in an enterprise/telco/campus 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 a telco environment and Desktops/Servers, IP-Phone etc. in an Enterprise/ Campus environment.

Packaging Content

1. 8 Port Switch Qty: 1 number
2. Mounting clamps with screws
3. AC Power Cord 1.5m (with AC variants)
4. DC Connector (with DC variants)

Bracket Assembly

Assembly of brackets for Rack mounting described in below diagram for 4 Port L2 commercial switch Model

Bracket Assembly

- **Step 1**. Secure the brackets to the device using the supplied screws from the Mounting Accessory.
- **Step 2.** Install the device in the rack using four rack-mounting screws. Ensure that the lower rack-mounting screws are secured first to prevent the brackets from bending due to the switch’s weight.

- **Step 3.** If installing multiple switches, mount them in the rack, one below the other, in any order, maintaining required space for cabling.
- **Step 4**. Securely connect to power source and turn on to configure and operate.

Product specification

8 Port L2 Managed Switch Specifications

Capacity	Switching: 24 Gbps, Forwarding: 17.86 mpps
Port Configuration	8×10/100/1000 Base-T Gigabit Access Ports with PoE+ and Non- PoE support
Uplink Ports	2×10/100/1000 Base-T 2x1G SFP Gigabit Uplink Ports
PoE Feature	240W (PoE Budget), Smart PoE
L2 features	Support 4094 VLAN IDs, 16K MAC Table
Security	L2, L3, L4 ACLs, 802.1X Authentication (RADIUS, TACACAS+)
Storm Control	Broadcast, Multicast and Unknown Unicast
Management	CLI, Telnet, SSHv2, SNMP v1/v2/v3 and ZTP
Temperature	Operating: 0 to 55 degree C
Power Input	100V to 240V for AC and -44V to 57V for DC

Login access

The console access to the Switch can be obtained via the console port using RJ45 to DB9 serial port adapter. An administrator can access the device using command line interface (CLI) with the following console port setting as part of the factory default configuration.

- Speed: 115200 bps | Data bits: 8
- Stop bit: 1 | Parity: none
- Flow control: Hardware

Port LED status

LED Label	LED Colour	Indication	Status
ACT	Green/Yellow	Yellow blinking	Non PoE with activity
		Green blinking	POE ON with Activity
		Solid Green	POE ON with no activity
		OFF	Non-PoE with no activity
LINK	Green/Yellow	Solid Green	Link Up at 1000Mbps speed
		Solid Yellow	Link Up at 100Mbps speed
		OFF	No Link

System LED status

LED Label	LED Colour	Indication	Status
SM	Blue	OFF	Non PoE with activity
		Blinking	POE ON with Activity
		Solid ON	POE ON with no activity
ALM	Red	OFF	No alarms reported
		Blinking	Alarm reported
		Solid ON	Critical alarm reported

Safety Precautions

Observe the following safety precautions to avoid damage to the Switch:

- Do not power the device during installation.
- Keep away from high voltage cables.
- Do not power off the unit in the middle of an upgrade process.
- Do not open the enclosure.

Contact Us:

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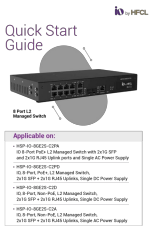
- 8, Commercial Complex, Masjid Moth, Greater Kailash-II, New Delhi- 110048

Documents / Resources

	HFCL HSP-IO-8GE2S-C2PA 8 Port L2 Managed Switch [pdf] User Guide HSP-IO-8GE2S-C2PA 8 Port L2 Managed Switch, HSP-IO-8GE2S-C2PA, 8 Port L2 Managed Switch, L2 Managed Switch, Managed Switch, Switch

References

- HFCL | Leading Digital Network Solutions | Manufacturers of Optical Fiber Cables
- IO by HFCL: Transforming Telecom and Technology Solutions
- User Manual