HFCL HSP-IO-4GE2S Series 4 Port L2 Managed Switch User Guide

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HFCL HSP-IO-4GE2S Series 4 Port L2 Managed Switch

Product Specifications

- **Capacity:**
  - **Switching:** 12 Gbps Forwarding: 8.93 mpps
  - **Switching:** 16 Gbps (CPD variant) Forwarding: 11.9 mpps (CPD variant)
- **Port Configuration:**
  - 4×10/100/1000 Base-T Gigabit Access Ports with PoE+ and Non-PoE variant
  - 2x1G SFP Gigabit Uplink Ports
  - 2x1G RJ45 ports only in CPD model
- **Smart PoE**
- **L2 features Security:**
  - Storm Control
  - Support 4094 VLAN IDs, 16K MAC Table
  - L2, L3, L4 ACLs, 802.1X Authentication (RADIUS, TACACAS+)
  - Broadcast, Multicast and Unknown Unicast Management
- **Temperature:** Operating: 0 to 55°C
- **Power Input:** 100V to 240V for AC and -36V to 57V for DC

Quick Start Guide

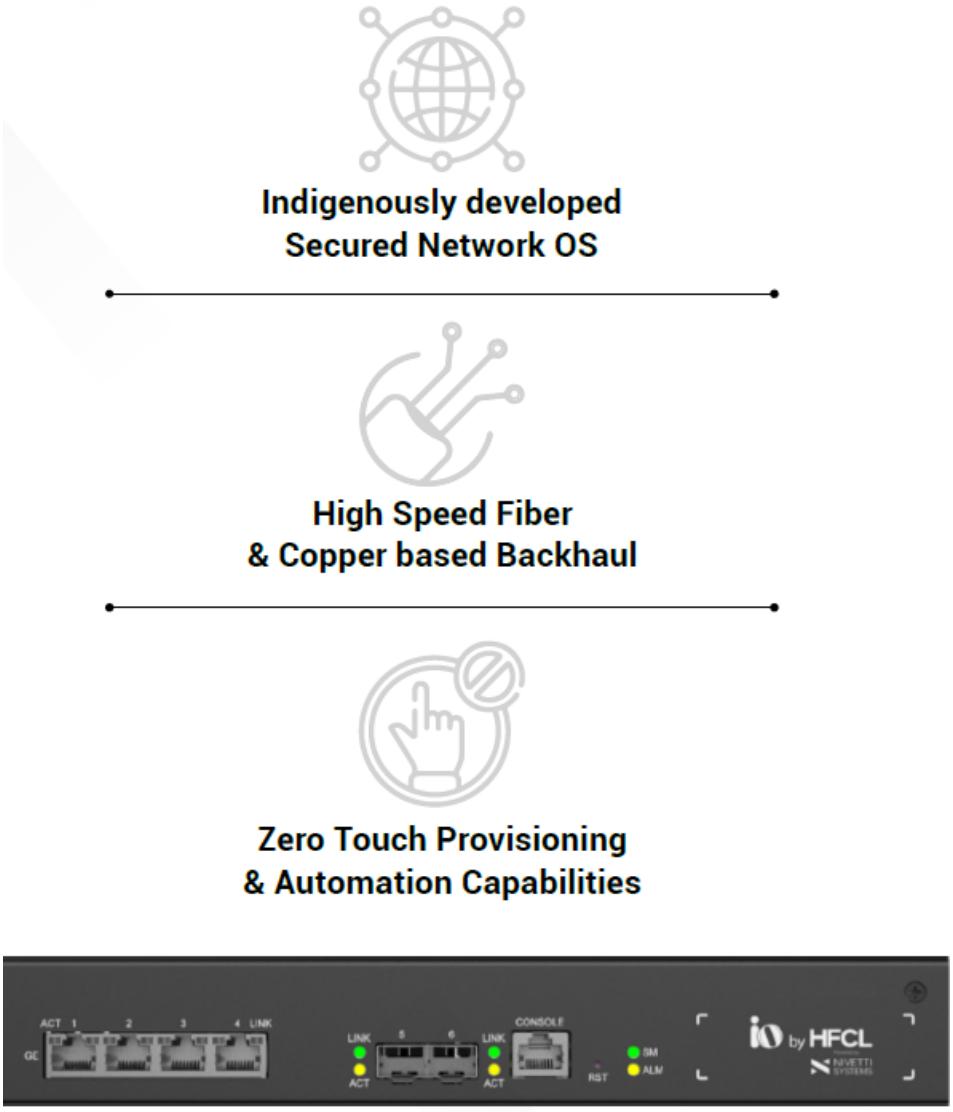
4 Port L2 Managed Switch

Applicable on:

HSP-IO-4GE2S-C2U
IO 4-Port non-PoE L2 Managed Switch with 2x1G SFP
Uplink ports and Universal Power supply

HSP-IO-4GE2S-C2A
IO 4-Port Non-PoE L2 Managed Switch with 2x1G SFP
Uplinks and Single AC Power Supply

HSP-IO-4GE2S-CPD
IO 4-Port PoE+ L2 Managed Switch with 2×1 SFP and 2x1G RJ45 Uplink ports and Dual DC Power supplies

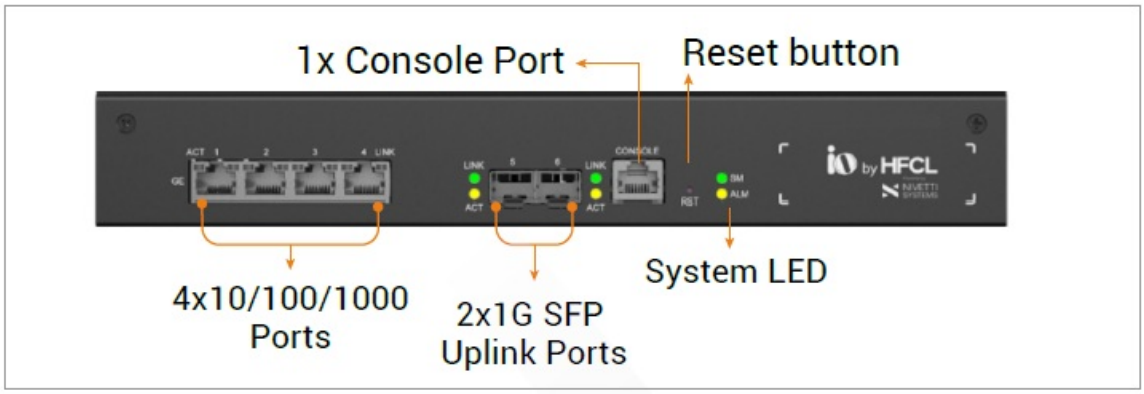


Introduction

Thank you for choosing the 4-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. **4 Port Switch Qty:** 1 number
2. Mounting clamps with screws
3. **DC Connector:** 1 number (For DC variants)
4. Standard power cable 1.5m (for AC variants)



Bracket Assembly

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

1.

Step 1: Secure the brackets to the device using the supplied screws from the Mounting Accessory.

2. **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.
3. **Step 3:** If installing multiple Switches, mount them in the rack, one below the other, in any order, maintaining required space for cabling.
4. **Step 4:** Securely connect to power source and turn on to configure and operate.

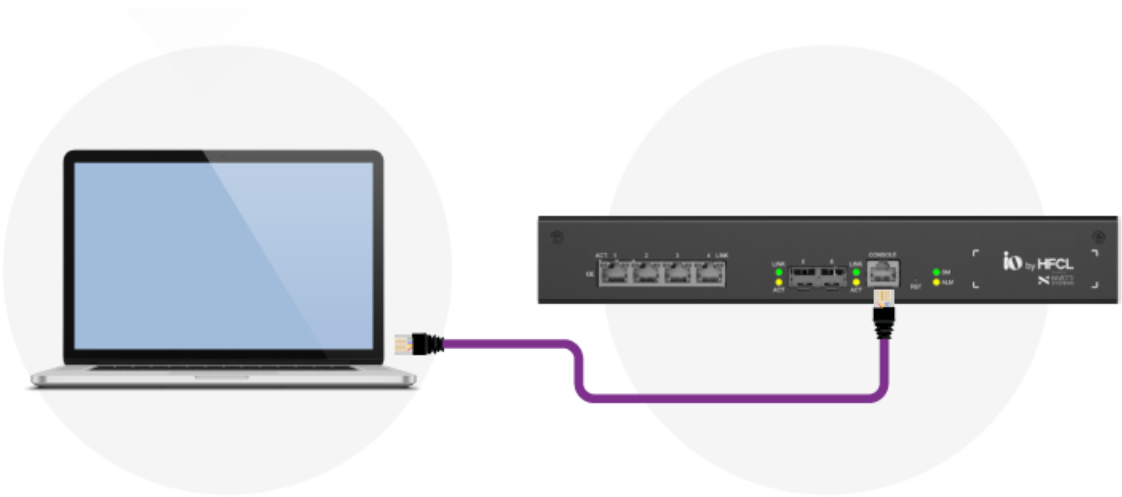
Product specification

Port L2 Managed Switch Specifications

Capacity	**Switching:** 12 Gbps **Forwarding:** 8.93 mpps **Switching:** 16 Gbps (CPD variant) **Forwarding:** 11.9 mpps (CPD variant)
Port Configuration	4×10/100/1000 Base-T Gigabit Access Ports with PoE+ and Non- PoE variant
Uplink Ports	2x1G SFP Gigabit Uplink Ports 2x1G RJ45 ports only in CPD model
PoE Feature	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 -36V 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 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	System is powered OFF
		Blinking	Power up sequence in process
		Solid ON	System is booted and operational
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 Access Point:

- 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.

Part No : QSG-04-0003 Revision: A

Contact Us

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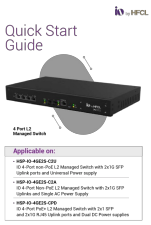
Documents / Resources

	HFCL HSP-IO-4GE2S Series 4 Port L2 Managed Switch [pdf] User Guide HSP-IO-4GE2S-C2U, HSP-IO-4GE2S-C2A, HSP-IO-4GE2S-CPD, HSP-IO-4GE2S Series 4 Port L2 Managed Switch, HSP-IO-4GE2S Series, 4 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