io by HFCL

Commercial Access Switch
8-Port L2 Managed
HSP-IO-8GE2S-C2A

Description:
HFCL 8-Port L2 Managed Switch with 2x1G SFP and 2x1G RJ45 Uplinks and Single AC Power Supply

Overview:

- Fully Managed L2 Switch with wire speed Non-Blocking Architecture.

- All Gigabit Ethernet Ports in a fixed configuration.

- Eight 1G Access ports.

- Four 1G Uplink Ports that allow termination of both fiber and copper simultaneously.

- Single Integrated AC Power supply.

- Upto 24 Gbps Switching capacity and up to 12 Gbps of Full-Duplex Throughput.

- Suitable to connect Small Cells / BTS, P2P/P2MP etc. in telco environment and Desktops/Servers, IP-Phone etc. in an Enterprise / Campus environment.

Key Feature Highlights	
All Gigabit Ports	Access Non-PoE ports and Uplink ports with both copper and fiber termination options. Support Auto MDIX as well as Auto-Negotiation on RJ45 based ports.
Go-Green	Comply with Energy Efficient Ethernet Standards (802.3az).
Secured OS	Powered by fully indigenously developed NiOS with 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 with built-in scripting and event scheduler framework.

Switch Ports

1	8x10/100/1000 Base-T Gigabit Access Ports.
2	2x10/100/1000 Base-T + 2x1G SFP Gigabit Uplink Ports with the flexibility to terminate the connection on copper as well as fiber simultaneously.
3	One Serial Console Port.
4	Link / Speed LED Status on All ports.
5	System status LED & onboard RESET button.

Switching / Forwarding Capacity

Switching Capacity	24 Gbps
Forwarding Capacity	17.86 MPPS

Rich L2 Features

1	Support 4094 VLAN IDs, 16K MAC Table, Voice VLAN.
2	L2 Loop Avoidance – STP/RSTP, MSTP, ERPS, STP Root and Edge Port Protection.
3	Multicast - IGMP v1/v2/v3 Snooping, IGMP filtering, IGMP proxy
4	LACP based LAG and Static LAG with Traffic load share and active –standby policies.
5	Static Routing and Inter-VLAN Routing, Dual Stack and IPv6 Compliant.
6	802.1q and QinQ (Port based and Selective), MVRP
7	QoS – Up to eight priority queues, Rate Limiting/Policing, CIR/EIR, Shaping (SPQ / WRR/ WFQ), Multi-Field (802.1p / DSCP) Classification and Remarking.
8	LLDP / LLDP MED to identify end points, IP Phones etc.
9	Jumbo MTU upto 9K Bytes.

Security Features

1	L2/L3/L4 ACL.
2	802.1X Port Security with Radius CoA, dACL, Accounting & Dynamic VLAN Assignment.
3	TACACS+ / RADIUS AAA.
4	DHCP snooping, ARP Inspection, IPv6 ND Inspection.
5	MAC-IP Anti spoofing, MAC Address Notification.
6	Inherent DoS Attack Prevention.
7	Storm Control - Broadcast, Multicast and Unknown Unicast.

Industry Standard Management with Automation

1 CLI and GUI options.

2 Dual Stack (IPv4 and IPv6) Management.

3 Telnet, SSHv2 and SNMP v1/v2/v3 support.

4 NTP, FTP, TFTP, SCP, SFTP, Port Mirroring, Traceroute.

5 DHCP Relay and Client*

6 Built-in Event Policy / Scheduler Framework for Automation.

7 Zero Touch Provisioning.

* contact sales representatives for use case

Power Supply Options

1 Single Integrated AC Supply

2 AC Operating voltage range: 100V to 240V AC

Other Design Parameters

1 Operating Temperature: 0°C to 55°C

2 1U Fixed Configuration and 19 Inch Rack Mountable

3 Passive Cooling with Fan less design

Certifications

1 Environment: IEC 600682, QM-333, RoHS

2 EMI/EMC: EN 55024, EN 55032, CISPR 24, CISPR 32, IEC 61000-4

3 Safety: EN 62368-1, IEC 60695-11-10, IEC 60320-1

4 Software: IPV6 Ready Logo Certified