

Access Switch

HSP-IO-8GE2S-I2PDH+

8-Port PoE/PoE+ L2 Managed Switch
(8x1 GE access + 2x1G SFP uplinks)



Overview

- Temperature hardened fully Managed L2 Switch with wire speed Non-Blocking Architecture
- All Gigabit Ethernet Access Ports with 2x1G SFP Uplinks in a DIN rail mounting configuration
- 8x10/100/1000 Base-T PoE/PoE+ Access ports
- 2x1G SFP Uplink Ports that allow termination on either fiber or copper based on SFP module
- Powerful WebGUI with DMS and automapping features
- Upto 20 Gbps Switching capacity and up to 14.88 MPPS of Full Duplex Throughput
- Comply with Energy Efficient Ethernet Standards (802.3az)
- PoE Variants Suitable for temperature hardened environment and deployment of Wi-Fi AP/CCTV/IP Phones

Switch Ports

- 8x10/100/1000 Base-T PoE+ Gigabit Access Ports
- 2x1G SFP Uplink Ports (MSA Compliant) with the flexibility to terminate the connection on copper or fiber-based SFP module
- One Serial Console Port
- Link / Speed / LED Status on all ports
- System status LED & onboard RESET button

Industry Standard Management with Automation

- CLI and WebGUI
- Dual Stack (IPv4 and IPv6) Management
- Telnet, SSHv2 and SNMP v1/v2/v3, RMON, sFlow
- NTP, FTP, TFTP, SCP, SFTP, Port Mirroring, Traceroute
- DHCP Server, Relay and Client
- TDR (Time domain reflectometry) for cable diagnostics
- Zero Touch Provisioning

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KEY FEATURE HIGHLIGHTS



Rich L2 Features

- Support 4094 VLAN IDs, 8K MAC Table, Voice VLAN, IP-subnet VLAN, Protocol VLAN, Private VLAN, MAC based VLAN
- L2 Loop Avoidance – STP/RSTP, MSTP, STP Root and Edge Port Protection, ERPS
- Multicast - IGMP v1/v2/v3 Snooping, IGMP filtering, IGMP proxy, MLD Snooping
- 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), MVRP
- QoS – Up to eight priority queues, Rate Limiting/ Policing, Shaping (SP, WRR), Multi-Field (802.1p / DSCP) Classification and Remarking
- LLDP / LLDP MED to identify end points, IP Phones etc.
- Jumbo MTU upto 9600 Bytes

Advance Features

- IEEE 802.3ah OAM
- IEEE 802.1ag Ethernet CFM (Connectivity Fault Management)
- ITU-T Y.1731 Performance Monitoring
- IEEE 1588 v2 PTP (Precision Time Protocol)

Switching / Forwarding Capacity

Switching Capacity	20 Gbps
Forwarding Capacity	14.88 MPPS

Security Features

- L2/L3/L4 ACL with extended features
- 802.1X Port Security with Radius Accounting & Dynamic VLAN Assignment
- TACACS+ / RADIUS AAA
- DHCP snooping, Dynamic ARP Inspection
- Port Security, Sticky MAC, IP-MAC Binding
- Storm Control - Broadcast, Multicast and Unknown Unicast

PoE Features

- PoE Budget - 240W
- 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)

Design Parameters

- Operating Temperature: -40°C to 75°C
- DIN rail mountable
- Humidity: 5% to 95% non-condensing
- Altitude: 3000 Meters (10,000 Feet)
- Dimension (WxHxD): 62 x 135 x 130 mm

Power Supply Options

- Integrated Dual DC Power Supply (54W)

Ordering Information

Model No.	Description
HSP-IO-8GE2S-I2PDH+	IO, 8-Port, PoE/PoE+, L2 Managed Industrial Switch, 2x1G Uplinks, Dual DC Power Supply

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