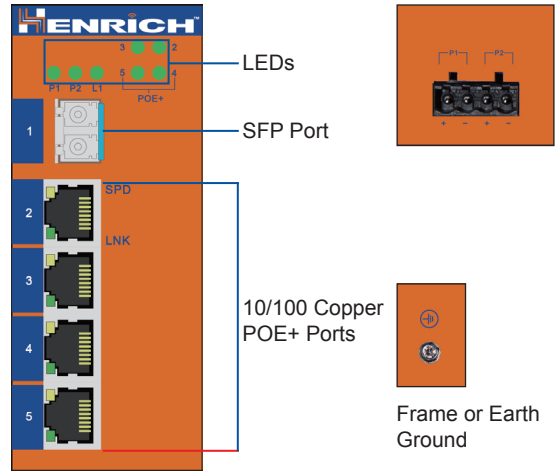# QUICK START GUIDE

HES5A-4E-VLW PoE+ Ethernet Switch

First Things First...

Before you begin, be sure you have the following:

- HES5A-4E-VLW
- CD with support manual
- Panel mount front bracket
- Required but not included.:
  Power supply

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Product Overview

- LEDs
- SFP Port
- 10/100 Copper POE+ Ports
- Frame or Earth Ground

1 About Power

Redundant power inputs accept 24-52VDC. Power consumption is 140W.

If redundancy is desired, you may connect two separate power supplies by using the two DC inputs on the terminal blocks.

2 About the Ports

All RJ-45 Ports:

The RJ-45 ports support auto-negotiate for 10 or 100Mbps device connections. The Auto Cross feature allows connections to switches, workstations and other equipment without changing straight through or crossover cabling.

The fiber SFP port supports 100Mbps Single Mode or Multi Mode SFPs, as long as they are MSA-compliant.

PoE+ Ports:

The PoE+ ports on this switch follow Alternative B standards and support up to 30Watts of power output per port. Ports 2~5 support the IEEE802.3at standard and are classified as (PSE) power sourcing equipment, which means they can be used to power (PD) powered devices.

3 LEDs

LED	Status	Description
PWR (P1, P2)	Green on	Power Applied
	Green off	No power
10/100 Copper SPD LED	Green on	100Mbps
	Green off	10Mbps
10/100 Copper LNK LED	Green on	Link
	Green Flashing	Activity
	Green off	Not connected to network
SFP LED (L1)	Green on	100Mbps
	Green Flashing	Activity
	Green Off	Not connected to network
PoE+ LED	Green on	PWR Supplied
	Green Flashing	Port over load/short circuit or fail at startup
	Off	PWR Not Supplied

When the network cables are attached and power is applied, installation is complete. The switch will automatically discover network devices, populate its MAC address table, and pass traffic to the appropriate ports.

4 Troubleshooting

Verify that you are using 24-52VDC for power. Applying more than 52VDC could cause damage to the switch.

The switch can be monitored through the LED indicators on the front panel of the switch. The LEDs can help identify common problems.

If the power indicators do not light up when power is applied you may have a problem with the power supply. Check for loose power connections, power losses or surges at the power outlet.

If the switch LED's display normal operating mode and the cable connections are correct and no data is transmitted or received through the switch, contact your Network Administrator for network configuration and status help. The product is an unmanaged, transparent switch.

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