

# Husky

## Web Managed Ethernet Series

### HWE-500 and HWE-500E

### Overview



The Husky web managed Industrial Ethernet Switch is which supports powerful features required in Industrial Ethernet applications. Boasting management capabilities through the Web, HWE-500 series is an ideal solution for mission critical application, specifically designed to operate reliably in electrically harsh, demanding environments and in hazardous locations.

With web-based configuration, HWE-500 series ensures an easy installation and management of your switches. The switch supports Super Ring self-recovery mechanism that allows the switch to self-reconfigure and provides a redundant path in the network. In case any part of your network is disrupted or disconnected, the redundant feature allows a fault recovery time of less than 300ms to save your network from encountering interruption or failure.

The switch provides a high level of immunity to electromagnetic interference and power supply surges typically found in industrial plant environments or external curb side enclosures.

## Key Features

### ● Hardware Feature

Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3X, IEEE 802.1p and IEEE 802.1Q

RJ-45 Port support auto MDI/MDI-X function

Wide-range redundant power design

Store and forward switch architecture

DIN rail and 3-way wall mount design

### ● Industrial Conformance

12 to 48V DC, redundant power with polarity reverse protection and terminal block for master and slave power

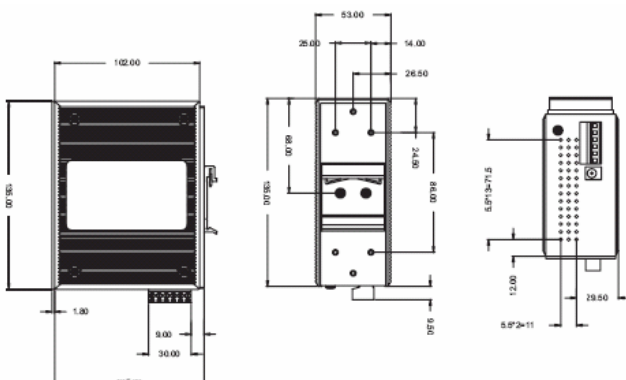
-10 to 70 Degrees C operation temperature

IP-31 standard Aluminum case

EMI complies with FCC Class A, CE EN6100-4-2, CE EN6100-4-3, CE EN6100-4-4, CE EN6100-4-5 and CE EN6100-4-6, EN61000-4-8 and EN61000-4-11

Stability testing with IEC60068-2-32(Free fall), IEC60068-2-27(Shock) and IEC60068-2-6(Vibration)

## Mechanical Dimension (in mm)



## Specifications

### Technology

<b>Standard</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE802.3x Flow Control and Back-pressure IEEE 802.1p Class of service IEEE 802.1Q VLAN
<b>Network Media</b>	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
<b>Protocol Technology</b>	CSMA/CD
<b>Switching Architecture</b>	Store and Forward
<b>Packet Filter</b>	Broadcast packet filtering

### Performance

<b>Network Data Transfer Rate</b>	14,880 pps for Ethernet port and 148,800 pps for Fast Ethernet port
<b>MAC Address</b>	2K
<b>Memory Buffer</b>	1MBytes
<b>Back-plane</b>	1.0 Gbps
<b>Transfer packet size</b>	64 bytes to 1522 bytes with VLAN tag

### Interface

<b>Number of Ports</b>	5 x 10/100Base-TX
<b>Diagnostic LED</b>	Per port : Link/Activity (Green), Full duplex/Collision (Green) Per unit: Power x 3 (Green), Fault (Red), R.M. (Orange)
<b>Alarm</b>	Relay output for port break and power failure

### Power

<b>Power Supply</b>	12 ~48 VDC, Redundant power with polarity reverse protect function and connective removable terminal block for master and slave power
<b>Power Consumption</b>	3.5 Watts

### Mechanical

<b>Case Dimensions (WxHxD)</b>	IP 31 standard, 54 mm (W) x 135 mm (H) x 105 mm (D)
<b>Installation</b>	Provide DIN rail kit and wall mount plate for 3-way installation

### Environmental

<b>Operating Temperature</b>	-10 deg C to 70 deg C
<b>Storage Temperature</b>	-40 deg C to 85 deg C (-40 degF to 185 deg F)
<b>Operating Humidity</b>	5%~90%RH (Non-condensing)

### Regulatory Approvals

<b>Emission</b>	FCC Class A, CE EN6100-4-2, CE EN6100-4-3, CE EN-6100-4-4, CE EN6100-4-5, CE EN6100-4-6, EN61000-4-8, EN61000-4-11
<b>Safety</b>	UL, cUL, CE/EN60950
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Free Fall</b>	IEC60068-2-32

### Management Features

<b>Redundancy</b>	2 port of the switch supports Super Ring redundant back-up path. Recovery time less than 300ms. Web interface management can activate Super Ring.
<b>Configuration</b>	Web interface management. Default button is available to restore default settings
<b>VLAN</b>	Support port-based VLAN and IEEE 802.1Q Tagged VLAN
<b>Quality of Service</b>	Hardware supports 4 queues per port

## Ordering Information

- HWE-500 : Husky Industrial Web managed 5-port Ethernet Switch  
(-10 to 70 deg C operating temperature)
- HWE-500E : Husky Industrial Web managed 5-port Ethernet Switch  
(-40 to 80 deg C operating temperature – made to order)