

# Husky

## Unmanaged Ethernet Series

HUE-500 / HUE-500E ( 5TX )

### Overview



The Husky Industrial Ethernet Switch is a cost effective industrially hardened Ethernet switch specifically designed to operate reliably in electrically harsh, demanding environments and in hazardous locations.

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

In order to meet the redundancy requirements in an industrial device, HUE-500 series is equipped with a terminal block to provide dual power inputs with reverse polarity protection. The HUE-500 or 500E provides an integrated power supply with a wide range of voltages (12 to 48V DC) for worldwide operability.

### Key Features

#### Hardware Feature

- Complies with IEEE 802.3, IEEE 802.3u and IEEE 802.3X

CSMA/CD Protocol

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

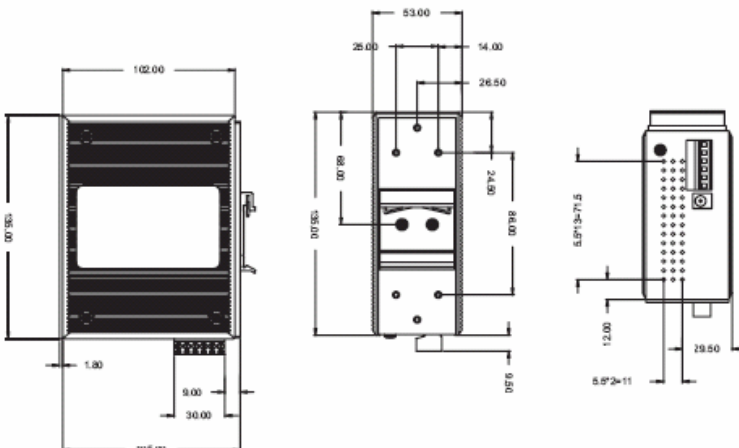
-10 to 70 Degrees C operation temperature E version -40 to 80 Degrees C operation temperature

IP-30 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

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
<b>Protocol Technology</b>	CSMA/CD
<b>Switching Architecture</b>	Store and Forward

### 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>	1K
<b>Memory Buffer</b>	512KBytes
<b>Back-plane</b>	1.0 Gbps
<b>Packet throughput ability</b>	0.74Mbps@64bytes (5TX)

### Interface

<b>Diagnostic LED</b>	Per port : Link/Activity (Green), Full duplex/Collision (Green) Per unit: Power 2 (Green), Power 1 (Green), Power (Green)
<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)

### 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>	2.8 Watts

### Mechanical

<b>Case Dimensions (WxHxD)</b>	IP 30 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 E version -40 to 80 deg C
<b>Storage Temperature</b>	-40 deg C to 85 deg C (-40 deg F 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
<b>Safety</b>	UL, cUL, CE/EN60950 Class 1 Div. 2 pending
<b>Stability Testing</b>	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)

## Ordering Information

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