Husky

Unmanaged Ethernet Series

HUE-500 / HUE-500E

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 or external curbside enclosures used in traffic control applications.

In order to meet redundancy requirement in an industrial device, HUE-500 series is equipped with a terminal block to provide dual power inputs with reverse polarity protection. Husky 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
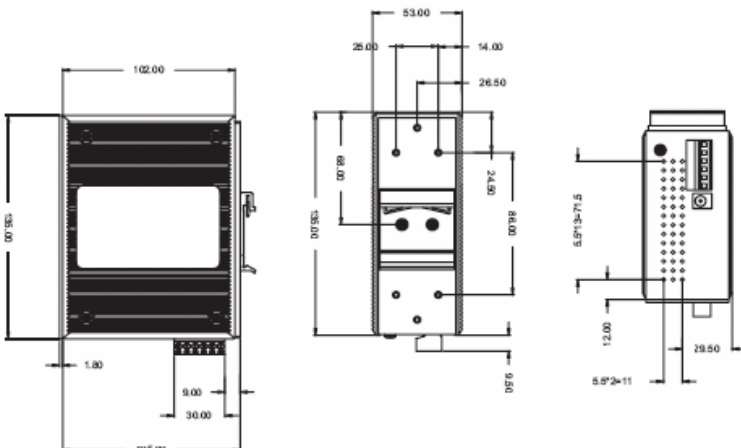
-10 to 70 Degrees C operation temperature

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

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

Mechanical Dimension (in mm)

Specifications

Technology

Standard	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE802.3x Flow Control and Back-pressure
Protocol Technology	CSMA/CD
Switching Architecture	Store and Forward

Performance

Network Data Transfer Rate	14,880 pps for Ethernet port and 148,800 pps for Fast Ethernet port
MAC Address	1K
Memory Buffer	512KBytes
Back-plane	1.0 Gbps
Packet throughput ability	0.74Mbps@64bytes (5TX)

Interface

Diagnostic LED	Per port : Link/Activity (Green), Full duplex/Collision (Green)
	Per unit: Power 2 (Green), Power 1 (Green), Power (Green)
Network Media	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

Power Supply	12 ~48 VDC, Redundant power with polarity reverse protect function and connective removable terminal block for master and slave power
Power Consumption	2.8 Watts

Mechanical

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

Environmental

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

Regulatory Approvals

Emission	FCC Class A, CE EN6100-4-2, CE EN6100-4-3, CE EN-6100-4-4, CE EN6100-4-5, CE EN6100-4-6
Safety	UL, cUL, CE/EN60950
Stability Testing	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)