Husky	**Web Managed Ethernet Series**
	HWE-800 / HWE-800E

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-800 series is an ideal solution for mission critical application, 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.

HWE-800 series supports Super Ring self-recovery mechanism. 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.

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
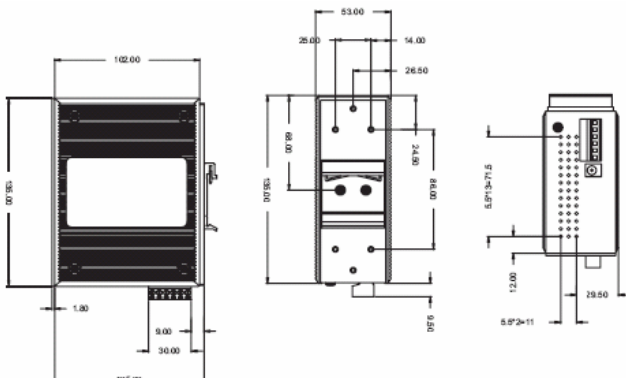
-10 to 70 Degrees C operation temperature

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

Standard	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
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)
Protocol Technology	CSMA/CD
Switching Architecture	Store and Forward
Packet Filter	Broadcast packet filtering

Performance

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

Interface

Number of Ports	8 x 10/100Base-TX
Diagnostic LED	Per port : Link/Activity (Green), Full duplex/Collision (Green)
	Per unit: Power x 3 (Green), Fault (Red), R.M. (Orange)
Alarm	Relay output for port break and power failure

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	3.5 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 degF 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, EN61000-4-8, EN61000-4-11
Safety	UL, cUL, CE/EN60950
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Free Fall	IEC60068-2-32

Management Features

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

Ordering Information

HUE-800   : Husky Industrial Web managed 8-port Ethernet Switch (-10 to 70 deg C operating temperature)

HUE-800E : Husky Industrial Web managed 8-port Ethernet Switch (-40 to 80 deg C operating temperature – made to order)