

Husky

Managed Ethernet Series

HME-800 and HME-800E both (8TX)

Overview



The Husky managed Industrial Ethernet Switch is a highly reliable and fault-tolerant switch with powerful SNMP features required in Industrial Ethernet applications. The HME-800 series can be remotely configured by a web browser and managed by SNMP and RMON. Advanced features such as VLAN and IP security provide security functions while performance is optimized by features like QoS and IGMP snooping and querying.

The Husky managed switch supports The **X Ring** redundant ring mechanism which allows the switch to reconfigure and provide 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 prevent your network from encountering an interruption or failure. Features include IGMP snooping and VLAN support.

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

Key Features

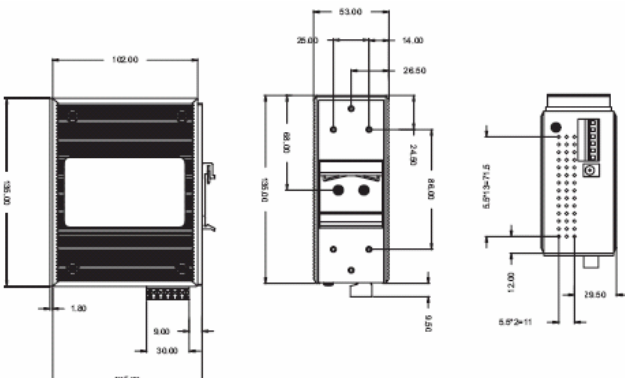
Hardware Feature

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3X, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1D, IEEE 802.1W
- 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 Degree C operation temperature, E version -40 to 80 Degree 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, 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 IEEE 802.1D Spanning Tree Protocol (STP) IEEE 802.1W Rapid Spanning Tree Protocol (RSTP)
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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)
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Protocol Technology	CSMA/CD
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Switching Architecture	Store and Forward
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Packet Filter	Broadcast packet filtering
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Performance

Network Data Transfer Rate	14,880 pps for Ethernet port and 148,800 pps for Fast Ethernet port
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MAC Address	2K
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Memory Buffer	1Mbytes
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Back-plane	1.6 Gbps
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Transfer packet size	64 bytes to 1522 bytes with VLAN tag
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Interface

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

Power Supply	12 ~48 VDC, Redundant power with polarity reverse protect function and connective removable terminal block for master and slave power
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Reverse Polarity Protection	Present
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Power Consumption	3.5 Watts
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Mechanical

Case Dimensions (WxHxD)	IP 30 standard, 54 mm (W) x 135 mm (H) x 105 mm (D)
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Installation	Provide DIN rail kit and wall mount plate for 3-way installation
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Environmental

Operating Temperature	-10 deg C to 70 deg C E version -40 deg C to 80 deg C
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Storage Temperature	-40 deg C to 85 deg C (-40 deg F to 185 deg F)
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Operating Humidity	5%~90%RH (Non-condensing)
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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
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Safety	UL, cUL, CE/EN60950 Class 1 Div. 2 pending
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Shock	IEC60068-2-27
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Vibration	IEC60068-2-6
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Free Fall	IEC60068-2-32
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Management Features

Redundancy	X Ring redundant back-up path. Recovery time less than 300ms.
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Management Protocols	SNMP V1/V2c, RMON 1 (Statistics, History, Alarm, Events) SMTP, SNTP, IGMP V1 & Query mode, DHCP/Client, TFTP
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MIB	MIB-II, Bridge MIB, Ethernet like MIB, VLAN MIB, Private MIB
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Configuration	Web interface management. Default button is available to restore default settings
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VLAN	Supports port-based VLAN and IEEE 802.1Q Tagged VLAN
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Quality of Service	Hardware supports 4 queues per port
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Port Mirroring	Online traffic monitoring on selected ports
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IP Security	IP addresses are available to define access levels
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E-mail warning	Pre-defined events
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Ordering Information

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

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