

Industrial 8-port Slim Unmanaged Ethernet Switch



HUE-800S
HUE-800SE

Features

- High Performance Network Switching Technology
 - ✓ Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3X
 - ✓ Provides 8 x 10/100 Mbps Ethernet ports with RJ-45 connector
 - ✓ 2.0 Gbps high performance memory bandwidth
 - ✓ RJ-45 Port support auto MDI/MDI-X crossover
 - ✓ Provides broadcast storm protection
 - ✓ Supports IEEE 802.3X flow control on full duplex, back pressure on half duplex
- Robust Industrial Design
 - ✓ Robust Aluminum case complying to IP-30 housing standard
 - ✓ Supports operating temperature -10 to 70°C & Extended temperature -40 to 80°C
 - ✓ DIN-Rail, panel mounting or desktop installation
 - ✓ High level of immunity to electromagnetic interference & power supply surges typically found in industrial plant environments or external curb side enclosures
- Reliable Power Design
 - ✓ Supports 18 to 30 VAC and 12 to 48 VDC power input
 - ✓ Supports 4,000 VDC Ethernet ESD Protection
 - ✓ Supports 12 to 48VDC redundant power with polarity reverse protection
 - ✓ Provides surge (EFT) protection 3,000 VDC for power line
 - ✓ Alarm Relay design for power failure detection
 - ✓ Removable terminal block



Overview

The Husky Series Industrial 8-port Slim Unmanaged Ethernet Switch is an entry-level industrial 8-port Ethernet Switch that supports IEEE 802.3/802.3u/802.3x with 10/100M, full/half duplex and MDI/MDI-X auto-sensing RJ-45 ports. The compact, slim line switch is equipped with a relay output for an event alarm for easy troubleshooting. It offers a 12- 48 VDC redundant powers input design and is secured with Power Polarity Reverse protection and an Overload Current Reset-table Fuse. The IP-30 housing protection, wide operating temperature of -10 to 70°C and DIN Rail mounting makes HUE-800S suitable for an industrial environment. The E version extends the temperature rating to -40 to 80°C. The HUE-800S is a plug-and-play solution for your Industrial Ethernet applications environmental requirements. The HUE-800S is a plug-and-play solution for your Industrial Ethernet applications.

Hardware Specifications

Interface

RJ-45 Ports: 8 10/100Base-TX auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X

LEDs: Per unit: Power x 2 (Green)
Per port: Link/Active (Green), Full duplex/Collision (Green)

Power Input: VDC 12-48V VAC 18 to 30V
Redundant power with removable terminal block

Power Consumption: 3.2 watts

Power Protection: Power Reverse Polarity

Surge Protection: 3000VDC

Dimensions: IP-30 standard, 25 mm (W) x 130 mm (H) x 95 mm (D)

Installation: DIN-Rail, panel mounting or desktop

Environmental

Operating Temp: Regular: -10 to 70°C
Extended: -40 to 80°C

Storage Temp: -40 to 85°C (-40 to 185°F)

Operating Humidity: 5% to 90% RH (non-condensing)

Technical Specifications

Standard:

IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX Fast Ethernet
IEEE 802.3x Flow Control and Back-pressure

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. 5/5e cable
EIA/TIA-568 100-ohm (100m)

Protocol Technology: CSMA/CD

Switching Architecture: Store and Forward

Performance

Data Transfer Rate:

14,880 pps for Ethernet port
148,800 pps for Fast Ethernet port

MAC Address: 1K

Memory Buffer: 512kbytes

Back-plane: 1.6 Gbps

Transfer Packet Throughput:
1.19Mpps @ 64bytes

Regulatory Approvals

EMI: FCC Class A

EMS:

EN6100-4-2, EN6100-4-3, EN6100-4-4, EN6100-4-5,
EN6100-4-6, EN6100-4-8, EN6100-4-11

Safety: UL, cUL, CE/EN60950

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

Class 1 DIV 2: Pending

DNV: Pending

Environmental: WEEE, RoHS

MTBF: 325,000 hrs based on Mil-Hdbk-217F, GB

Warranty: 5 years