



**HUE-500S**  
**HUE-500SE**

## Features

- ✓ High Performance Network Switching Technology
- ✓ Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3X
- ✓ Provides 5 x 10/100 Mbps Ethernet ports with RJ-45 connector
- ✓ 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 5-port Slim Unmanaged Ethernet Switch is an entry-level industrial 5-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-500S suitable for an industrial environment. The E version extends the temperature rating to -40 to 80°C. The HUE-500S is a plug-and-play solution for your Industrial Ethernet applications.

## Hardware Specifications

### Interface

**RJ-45 Ports:** 5 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 18-30V  
Redundant power with removable terminal block

**Power Consumption:** 2.0 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:** 1.0 Gbps

**Transfer Packet Throughput:**  
1.19Mpps @ 64bytes

## Regulatory Approvals

**EMI:** FCC Class A

### EMS:

EN61000-4-2, EN61000-4-3, EN61000-4-4,  
EN61000-4-5, EN61000-4-6, EN61000-4-8,  
EN61000-4-11

**Safety:** UL, cUL, CE/EN60950

**Shock:** IEC60068-2-27

**Vibration:** IEC60068-2-6

**Free Fall:** IEC60068-2-32

**Class 1 DIV 2:** Pending

**DNV:** Pending

**Environmental:** WEEE, RoHS

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

**Warranty:** 5 years