

# Industrial 5-port Unmanaged Ethernet Switch with Fiber Port

## Features

- High Performance Network Switching Technology
  - ✓ Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3x
  - ✓ Provides 4 x 10/100Base-T(X) with RJ-45 connector
  - ✓ Provides 1 x multi-mode 100FX fiber port
  - ✓ RJ-45 ports support auto MDI/MDI-X crossover
- Robust Industrial Design
  - ✓ Robust case complies with IP-31 housing standard
  - ✓ Supports operating temperature -10 to 70°C & extended temperature -40 to 80°C
  - ✓ DIN-Rail or wall mounting installation
- Reliable Power Design
  - ✓ Equipped with redundant power inputs
  - ✓ Supports 12 to 48VDC power input with reverse polarity protection
  - ✓ Removable terminal block



HUE-411(E)



## Overview

The Husky Series HUE-411(E) is an entry-level industrial 5-port Ethernet Switch that supports IEEE 802.3/802.3u/802.3x with 10/100Mbps, full/half duplex and MDI/MDI-X auto-sensing RJ-45 ports. HUE-411(E) also comes with one multi-mode 100FX fiber port. HUE-411(E) 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. HUE-411(E) supports 12 to 48VDC redundant power inputs and is secured with power polarity reverse protection. The IP-31 housing, wide operating temperature of -10 to 70°C, and DIN-Rail mounting makes HUE-411(E) suitable for an industrial environment. The E version model's temperature is -40 to 80°C. Models with long distance fiber port of 5km are also available.

## Hardware Specifications

### Interface

- Total Ports: 5 ports
- RJ-45 Ports: 4 x 10/100Base-T(X) auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X
- Fiber Port: 1 x multi-mode 100FX, SC connector
- LEDs: Power 1, Power 2, Power , Fiber Port: FDX/COL, LNK/ACT
- RJ-45 Ports: Link/Active, Full duplex/Collision

### Power Requirements

- Power Input: 12 to 48VDC, redundant power inputs
- Power Consumption: 4.37 watts max.
- Power Protection: Power reverse polarity

## Technical Specifications

- Standard:
  - IEEE 802.3 10Base-T Ethernet
  - IEEE 802.3u 100Base-TX/100Base-FX
  - IEEE 802.3x Flow Control

- Protocol Technology: CSMA/CD
- Switching Architecture: Store and Forward

### Physical

- Dimensions: IP-31 standard, 54mm (W) x 135mm (H) x 105mm (D)
- Installation: DIN-Rail or wall mounting

### Environmental

- Operating Temperature: Regular: -10 to 70°C  
Extended: -40 to 80°C
- Storage Temperature: -40 to 85°C
- Operating Humidity: 5% to 95% RH (Non-condensing)

## Regulatory Approvals

- EMI: FCC Class A
- EMS:
  - EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11, EN 61000-6-2, EN 61000-6-4
- Safety: UL, cUL, CE/EN 60950-1
- Shock: IEC 60068-2-27
- Vibration: IEC 60068-2-6
- Free Fall: IEC 60068-2-32
- Environmental: WEEE, RoHS
- MTBF: 380,973 hours based on Mil-Hdbk-217F, GB
- Warranty: 5 years

## Ordering Information

HUE-411	Industrial 4 x 10/100Base-T(X) and 1 x Multi-mode 100FX Unmanaged Ethernet Switch, -10 to 70°C
HUE-411E	Industrial 4 x 10/100Base-T(X) and 1 x Multi-mode 100FX Unmanaged Ethernet Switch, -40 to 80°C
HUE-411-K5	Industrial 4 x 10/100Base-T(X) and 1 x Multi-mode 100FX Unmanaged Ethernet Switch, -10 to 70°C, 5km

