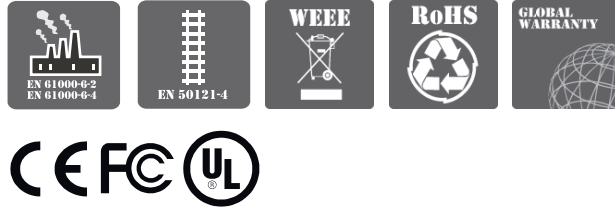


# HUG-828EN



## Introduction

### Overview

The new and more powerful Husky Series HUG-828EN is an Industrial 8-port Gigabit Unmanaged Ethernet Switch with 2-ports 1000Base SFP which supports IEEE 802.3z and with 8-ports 10/100Mbps, full/half duplex and MDI/MDI-X auto-sensing RJ-45. The switch is designed with wide range redundant power input 12/24/48VDC with IP30 robust enclosure for easy installation. HUG-828EN is engineered to comply with heavy industrial grade EMS/EMI as well as certified by EN 61000-6-2 and EN 61000-6-4 certified. The switch provides a stable and reliable Ethernet transmission and is especially designed for harsh environments and special needs of industrial automation applications.

## Features

### High Performance Network Switching Technology

- Complies with IEEE standards
- Provides 8 x 10/100Base-T(X) with RJ-45 connector
- Provides 2 x 1000Base SFP slot
- Provides DIP switch for alarm setting

### Reliable Power Design

- Supports 12 to 48VDC redundant power input

- Power reverse polarity protection and overload current protection

### Robust Industrial Design

- EN 61000-6-2 and EN 61000-6-4 certified to use in heavy industrial environment
- EN 50121-4 certified for Railway Applications (Track Side)
- Robust industrial design case complies with IP30 housing standard
- Supports operating temperature -10 to 70°C & extended temperature -40 to 80°C
- DIN-Rail or optional wall mounting installation

## Specifications

### Hardware Specifications

#### Interface

**Total Ports:** 10 ports

**RJ-45 Ports:** 8 x 10/100Base-T(X) auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X

**Fiber Ports:** 2 x 1000Base SFP slot

**LEDs:** System: Power 1 (Green), Power 2 (Green), Fault (Amber)

**RJ-45 Ports:** 10/100 Link/Active (Green), Speed 100 (Yellow)

**Fiber Ports:** Link/Active (Green)

**DIP Switch:** DIP 1: OFF (Enable power failure alarm) / ON (Disable)

**Alarm Contact:** 1A@24VDC

#### Power Requirements

**Power Input:** 12 to 48VDC, redundant dual inputs

**Power Consumption:** 4.4 watts max.

**Power Protection:** Reverse polarity protection, overload current protection

#### Physical

**Dimensions:** IP30 standard, 72mm (W) x 152mm (H) x 106mm (D)

**Installation:** DIN-Rail or optional 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)

#### Technical

##### Standard:

IEEE 802.3 10Base-T Ethernet

IEEE 802.3u 100Base-TX/100Base-FX

IEEE 802.3x Flow Control

IEEE 802.3z Gigabit Fiber

**Protocol Technology:** CSMA/CD

**Switching Architecture:** Store and Forward

#### Regulatory Approvals

**EMC:** CE, EN 61000-6-2, EN 61000-6-4

**EMI:** FCC Part 15 Subpart B Class A, CE EN55022 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

**Railway Application (Track Side):** EN 50121-4 (Certified)

**Shock:** IEC 60068-2-27

**Vibration:** IEC 60068-2-6

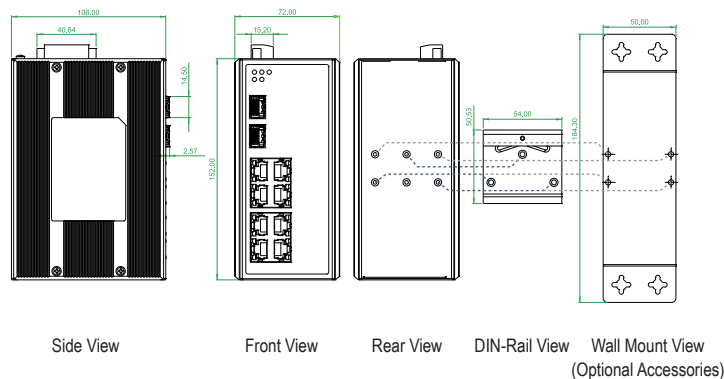
**Free Fall:** IEC 60068-2-32

**Environmental:** WEEE, RoHS

**MTBF:** 837,414 hours based on Mil-Hdbk-217F, GB

**Warranty:** 5 years

## Dimensions (unit=mm)



## Ordering Information

HUG-828N	Industrial 8 x 10/100Base-T(X) + 2 x 1000Base SFP Gigabit Unmanaged Ethernet Switch, -10 to 70°C
HUG-828EN	Industrial 8 x 10/100Base-T(X) + 2 x 1000Base SFP Gigabit Unmanaged Ethernet Switch, -40 to 80°C