



HUG-518GSE



»»» Introduction »»»

Overview

The new and more powerful Husky Series HUG-518GSE is an Industrial 6-ports Slim Unmanaged Ethernet Switch with 1 x 100/1000Base SFP and with 5 x 10/100/1000Base-T(X) which supports IEEE 802.3z, 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 slim robust enclosure for easy installation. It supports power failure alarm message by relay.

HUG-518GSE 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. HUG-518GSE supports two types of operating temperature, standard (-10 to 70°C) and extended (-40 to 80°C). All Ethernet Direct industrial switches support IEEE802.3az Green Ethernet for Energy Efficient Ethernet.

»»» Features »»»

High Performance Network Switching Technology

- Complies with IEEE standards
- Provides 5 x 10/100/1000Base-T(X) with RJ-45 connector
- Provides 1 x 100/1000Base SFP slot
- Supports IEEE 802.3az Green Ethernet (EEE / Energy Efficient Ethernet)
- Provides DIP switch to switch on/off of the alarm relay, broadcast storm protection, green Ethernet and setting up the transmission speed of the SFP slot

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

»»» Specifications »»»

Hardware Specifications

Interface

Total Ports: 6 ports

RJ-45 Ports: 5 x 10/100/1000Base-T(X) auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X

Fiber Ports: 1 x 100/1000Base SFP slot

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

RJ-45 Ports: 1000 Link/Active (Yellow), 10/100 Link/Active (Green)

Fiber Ports: Link/Active (Green)

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

DIP 2: OFF (Enable broadcast storm protection) / ON (Disable broadcast storm protection)

DIP 3: OFF (Enable Green Ethernet) / ON (Disable Green Ethernet)

DIP 4: OFF (SFP speed 1000) / ON (SFP speed 100)

Alarm Contact: 1A@24VDC

Power Requirements

Power Input: 12 to 48VDC, redundant dual inputs

Power Consumption: 12VDC/3.9W, 24VDC/3.9W, 48VDC/5.3W

Power Protection: Reverse polarity protection, overload current protection

Physical

Dimensions: IP30 standard, 31.6mm (W) x 142.1mm (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 802.3ab 1000Base-T

IEEE 802.3x Flow Control

IEEE 802.3z Gigabit Fiber

IEEE 802.3az EEE (Energy Efficient Ethernet)

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

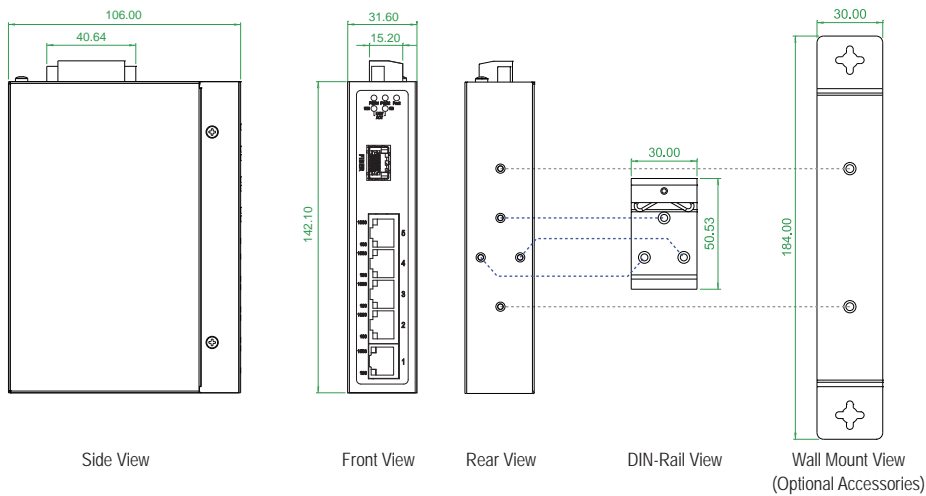
Free Fall: IEC 60068-2-32

Environmental: WEEE, RoHS

MTBF: 1,101,374 hours based on Mil-Hdbk-217F, GB

Warranty: 5 years

Dimensions (unit=mm)



Ordering Information

HUG-518GS	Industrial 5 x 10/100/1000Base-T(X) + 1 x 100/1000Base SFP Slim Unmanaged Full Gigabit Ethernet Switch, -10 to 70°C
HUG-518GSE	Industrial 5 x 10/100/1000Base-T(X) + 1 x 100/1000Base SFP Slim Unmanaged Full Gigabit Ethernet Switch, -40 to 80°C