HUE-421SEN

EN 61000-6-2
EN 61000-6-4

EN 50121-4

WEEE

RoHS

GLOBAL WARRANTY

CE FC UL

≫ Introduction ≫≫

Overview

The new and more powerful Husky Series HUE-421SEN is an Industrial 6-ports Slim Unmanaged Ethernet Switch with two multi-mode fiber ports which provides stable and reliable Ethernet transmission. With the optic ports, the HUE-421SEN transmits data at high speed for long distances up to 2km with an SC connector. The compact switch is equipped redundant dual DC input power (12/24/48VDC) and supports power failure alarm by relay. It also support DIP SW for alarm setting and broadcast storm protection. HUE-421SEN comes with an IP30 metal housing and supports two types of operating temperature, standard (-10 to 70°C) and extended (-40 to 80°C). The switch is especially designed for harsh environments such as industrial networking, intelligent transportation systems, military and utility market applications where product reliability is the main concern and is EN 50121-4 certified for railways application.

≫ Features ≫≫

High Performance Network Switching Technology
- Complies with IEEE standards
- Provides 4 x 10/100Base-T(X) with RJ-45 connector
- Provides 2 x multi-mode 100Base-FX fiber ports with SC connector
- Provides DIP switch for broadcast storm protection and 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: 6 ports
RJ-45 Ports: 4 x 10/100Base-T(X) auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X
Fiber Ports: 2 x multi-mode 100Base-FX, SC connector
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)
DIP 2: OFF (Enable broadcast storm protection) / ON (Disable broadcast storm protection)
Alarm Contact: 1A@24V

Power Requirements
Power Input: 12 to 48VDC, redundant dual inputs
Power Consumption: 5.8 watts max.
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 802.3x Flow Control
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)
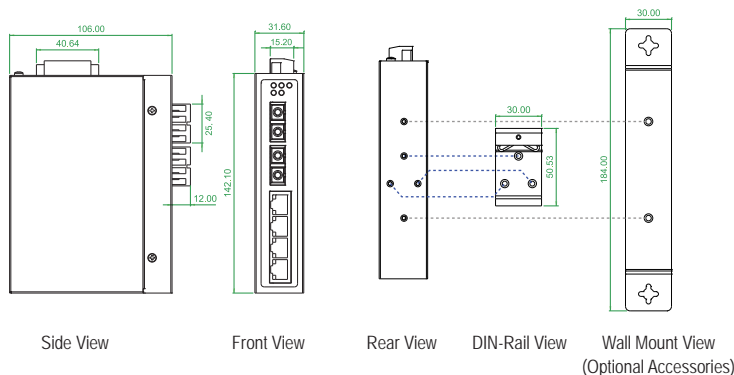**Shock**: IEC 60068-2-27
Vibration: IEC 60068-2-6
Free Fall: IEC 60068-2-32
Environmental: WEEE, RoHS
MTBF: 907,622 hours based on Mil-Hdbk-217F, GB
Warranty: 5 years

≫ Dimensions (unit=mm) ≫≫

Side View   Front View   Rear View   DIN-Rail View   Wall Mount View (Optional Accessories)

≫ Ordering Information ≫≫

HUE-421SN	Industrial 4 x 10/100Base-T(X) + 2 x Multi-mode 100Base-FX Slim Unmanaged Ethernet Switch, -10 to 70°C, (SC/MM, 2KM)
HUE-421SEN	Industrial 4 x 10/100Base-T(X) + 2 x Multi-mode 100Base-FX Slim Unmanaged Ethernet Switch, -40 to 80°C, (SC/MM, 2KM)