

**HUG-500S
HUG-500SE**

Industrial Gigabit Unmanaged Ethernet Switch



Features

High Performance Network Switching Technology

- ✓ Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3X, IEEE 802.3ab
- ✓ Provides 5 x 10/100/1000 Mbps Ethernet ports with RJ-45 connector
- ✓ Supports IEEE 802.3X flow control on full duplex, back pressure on half duplex
- ✓ RJ-45 Port support auto MDI/MDI-X crossover
- ✓ Provides broadcast storm protection

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 mount or desktop installation
- ✓ High level of immunity to electromagnetic interference & power supply surges typically found in industrial plant environments or external curb side enclosures

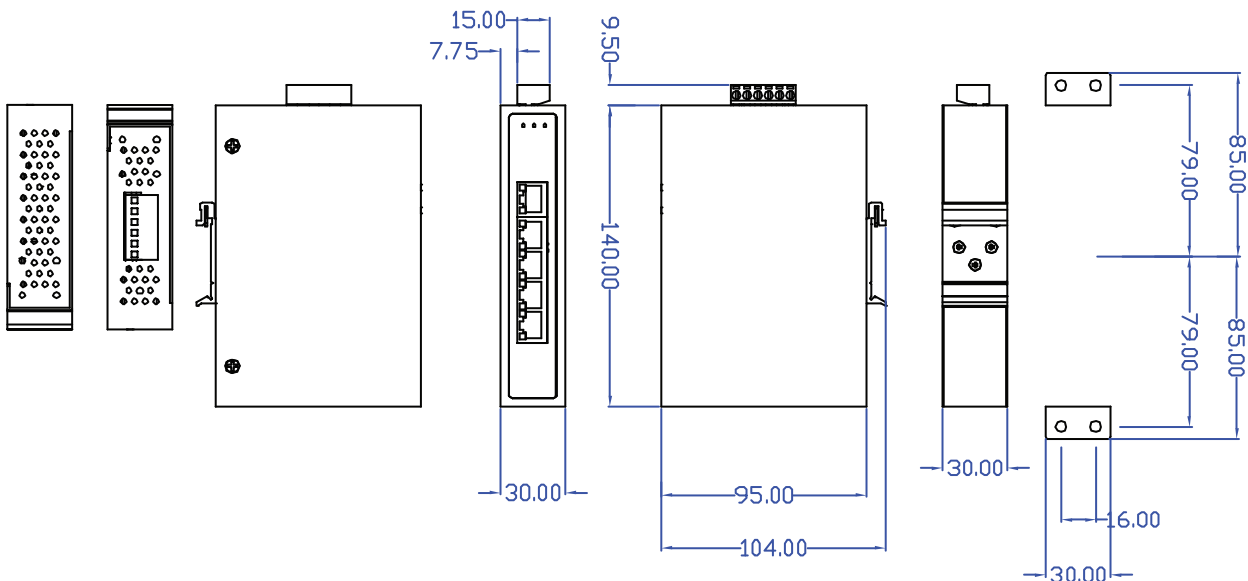
Reliable Power Design

- ✓ Supports Redundant 12 - 48VDC power input
- ✓ Supports 4,000 VDC Ethernet ESD Protection
- ✓ Provides surge (EFT) protection 3,000 VDC for power line
- ✓ Power Polarity Reverse Protection Present
- ✓ Terminal block present for master and slave power

Overview

The Husky series Industrial 5-port Slim Unmanaged Gigabit Ethernet Switch is an entry-level industrial 5-port Gigabit Ethernet Switch that supports IEEE 802.3/802.3u/802.3x with 10/100/1000Mbps, 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 HUG-500S suitable for an industrial environment. The E version extends the temperature rating to -40 to 80°C. The HUG-500S is a plug-and-play solution for your Industrial Ethernet applications.

Dimensions



Hardware Specifications

Interface

RJ-45 Ports	5 10/100/1000Base-TX auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X
LEDs	Per unit: Power 1 (Green), Power 2 (Green), Fault(Red) Per port: Link/Activity (Green), Speed (1000Mbps Green)
Power Input	12-48 VDC, Redundant power with polarity reverse protect function & connective removable terminal block for master and slave power
Power Protection	ESD (Ethernet) : Present Surge : 3000VDC Power Reverse Polarity: Present
Power Consumption	5 watts
Dimensions	IP 30 standard, 30 mm (W) x 95 mm (H) x 140 mm (D)
Installation	DIN-Rail, panel mounting

Environmental

Operating Temperature	Regular: -10 to 70°C Extended: -40 to 80°C
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Humidity	5%~90% RH (Non-condensing)

Technology Specifications

Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x 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 1,488,000pps for Gigabit Fiber Ethernet port
MAC Address	8K
Jumbo Frame	9Kbytes
Memory Buffer	136Kbits
Back-plane	10 Gbps
Transfer Packet Size	14.88Mpps @64bytes

Regulatory Approvals

EMI	FCC Class A
EMS	EN6100-4-2 EN6100-4-3 EN6100-4-4 EN6100-4-5 EN6100-4-6 EN6100-4-8 EN6100-4-11
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

Ordering Information

HUG-500S	Industrial 5-port Slim Unmanaged Gigabit Ethernet Switch
HUG-500SE	Industrial 5-port Slim Unmanaged Gigabit Ethernet Switch, Extended Temperature -40 to 80°C

*Extended temperature products are produced to order.

Recommended Accessories

DR-4524	45W/2A DIN-Rail 24 VDC power supply
DR-7524	75W/3.2A DIN-Rail 24 VDC power supply
DR-120-24	120W/5A DIN-Rail 24 VDC power supply



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