



HUG-628G

Features

- High Performance Network Switching Technology**
- ✓ Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z
 - ✓ Provides 6 x 10/100/1000T Ethernet ports with RJ-45 connector
 - ✓ Provides 2 combo ports
 - ✓ 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 60°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**
- ✓ Wide range redundant power design
 - ✓ Equipped with Redundant power inputs
 - ✓ Supports 24 to 48VDC redundant power with polarity reverse protection
 - ✓ Supports 6000 VDC Ethernet ESD and 2000 VDC EFT protection



Overview

The Husky Series HUG-628G is a highly reliable and fault-tolerant Industrial 8-port Full Gigabit Unmanaged Ethernet Switch. It supports state of the art design with six 10/100/1000T Ethernet ports and two dual mode small form pluggable (SFP) ports that supports Gigabit SX or LC depending on your existing network structure. The innovative SFP fiber slot design provides user the flexibility to insert different fiber modules, either multi-mode or single-mode at various distances, whether you require typical 10 km or overhaul 40 km, 80 km and 120 km distances. The HUG-628G is equipped with a terminal block to provide dual power inputs with reverse polarity protection. Its IP-30 housing protection, wide operating temperature of -10 to 60°C and DIN-Rail mounting is suitable for an industrial environment. The HUG-628G is a plug-and-play solution for your Industrial Ethernet applications.

Hardware Specifications

Interface

RJ-45 Ports: 6 10/100/1000T auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X

Fiber ports: 2 combo ports

LEDs: Per unit: Power 1 (Green), Power 2 (Green), Fault (Red)
Per port: Link/Activity (Green), Speed (1000Mbps Green)
SFP: Link/Activity (Green)

Power Input: VDC 24-48V
Redundant power with removable terminal block

Power Protection: ESD (Ethernet) : 6000 VDC
EFT protection : 3000 VDC
Power Reverse Polarity

Power Consumption: 17 watts

Dimensions: IP-30 standard, 72 mm (W) x 152 mm (H) x 105 mm (D)

Installation: DIN-Rail, panel mounting or desktop

Environmental

Operating Temp: Regular:-10 to 60°C
Extended: -40 to 85°C

Storage Temp: -40 to 85 °C(-40 to 185°F)

Operating Humidity: 5% to 90% RH (non-condensing)

Technical Specifications

Standard:

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3z Gigabit fiber
- IEEE 802.3x Flow Control and Back Pressure

Network Media:

- 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5/ 5E cable
- EIA/TIA-568 100-ohm (100m)
- 100Base-TX: 2-pair UTP/STP Cat. 5/ 5E cable
- EIA/TIA-568 100-ohm (100m)
- 1000Base-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

Packet Buffer: 1Mbytes

Back-plane: 16 Gbps

Transfer Packet Throughput: 23.8 Mpps @ 64 bytes

Regulatory Approvals

EMI: FCC Class A

EMS:

- EEN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

Safety: UL, cUL, CE/EN60950

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

Environmental: WEEE, RoHS

MTBF: 325,000 hrs based on Mil-Hdbk-217F, GB

Warranty: 5 years