

Husky

Industrial 6-Port Unmanaged Switch

HUE-421S & HUE-421SE



Features

- ✓ IP-30 standard Slim Compact DIN Rail mountable housing
- ✓ High Performance Network Switching Technology
- ✓ Provides Broadcast storm protection
- ✓ Supports 10/100M, Full/Half Duplex, MDI/MDI-X auto sensing
- ✓ Supports Multimode fiber up to 2 km
- ✓ Wide range Redundant power design
- ✓ Supports 6,000 VDC Ethernet ESD Protection
- ✓ Provides surge (EFT) protection 3,000 VDC for power line
- ✓ Alarm Relay design for power fail detection
- ✓ Overload Current Re-settable Fuse Present
- ✓ Power Polarity Reverse Protection Present



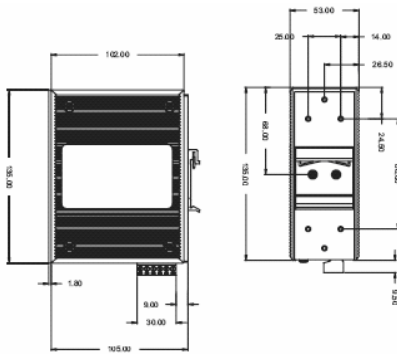
Industrial Conformance

- Comply with IEEE 802.3, IEEE 802.3u and IEEE 802.3x
- RJ-45 Port support auto MDI/MDI-X function
- IP-30 standard rigid high protection slim & compact case
- Wide-range redundant power design
- DIN rail and 3-way wall mount design
- Dual redundant power inputs with industrial surge & spike protection
- Regular -10 to 70 deg C & Extended -40 to 80 deg C operating temperature
- EMI complies with FCC Class A, CE EN6100-4-2, CE EN6100-4-3, CE EN6100-4-4, CE EN6100-4-5 and CE EN6100-4-6, EN61000-4-8 and EN61000-4-11
- Stability testing with IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock) & IEC60068-2-6 (Vibration)
- High level of immunity to electromagnetic interference & power supply surges typically found in industrial plant environments or external curb side enclosures

Overview of HUE-421S Series

Husky series Industrial 4 port 10/100TX plus 2 fiber port Compact Unmanaged Ethernet Switch is an entry-level industrial 6-port Ethernet Switch that supports IEEE 802.3/802.3u/802.3x with 10/100M, full/half duplex, and MDI/MDI-X auto-sensing RJ45 ports. The compact switch is equipped with relay output for an event alarm to notify administrators for easy troubleshooting. The IP-30 housing protection is suitable for industrial environment while the wide operating temperature of -10 to 70 deg C and DIN rail mounting makes it a ready plug-and-play solution for your Industrial Ethernet connection.

Hardware Specifications



Interface

RJ-45 ports 4 10/100Base-TX auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X

Fiber ports 2 100FX multimode fiber

LED Per port: Link/Activity (Green), Full duplex/Collision (Yellow)

Per unit: Power 1 (Green), Power 2 (Green), Fault (Red)

Multi-mode: 50/125um~62.5/125um

Single-mode: 9/125um

Optical Fiber

Available distance: 2km (Multi-mode)/30km (Single-mode)

Wavelength: 1310nm (Multi-mode/Single-mode)

Power Input DC 48V, Redundant power

Power Consumption 6.41 watts

Power Protection ESD (Ethernet) : Present

Surge : Present

Power Reverse Polarity: Present

Dimension IP 30 standard, 30 mm (W) x 140 mm (H) x 95 mm (D)

Installation DIN Rail or wall mountable

Environmental

Operating Temperature Regular -10 to 70 deg C

Extended -40 to 80 deg C

Storage Temperature -40 deg C to 85 deg C (-40 deg F to 185 deg F)

Operating Humidity 5%~90% RH (Non-condensing)

Technology Specifications

	IEEE 802.3 10Base-T Ethernet
Standard	IEEE 802.3u 100Base-TX IEEE802.3x Flow Control and Back Pressure
Connector	10/100TX: 4 x RJ-45 with auto MDI/MDI-X function 100M fiber: 2 x SC type connector for Single-mode or Multi-mode type fiber cable 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable
Network Media	EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 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
MAC Address	2K
Memory Buffer	448Kbits
Back-plane	1.2 Gbps
Transfer packet size	1.488Mpps @ 64bytes
Regulatory Approvals	
EMI	FCC Class A EN6100-4-2 EN6100-4-3 EN-6100-4-4
EMS	EN6100-4-5 EN6100-4-6 EN61000-4-8 EN61000-4-11
Safety	UL, cUL, CE/EN60950
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Free Fall	IEC60068-2-32
Class 1 DIV 2	Pending *
DNV	Pending *
Environmental	WEEE, RoHS
MTBF	350,000 hrs based on Mil-Hdbk-217F, GB
Warranty	5 years

Optical Specifications

Model	Fiber type	Connector	Wavelength	TX Power	TX Power	Rx Power	Rx Power	Link Budget	Distance
	(um)		(um)	(min)	(Max)	(Min)	(Max)	(dbm)	(km)
HUE-421S	Multi-mode	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2-3 km
	50/125								
HUE-421SE	Multi-mode	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2-3 km
	50~125								

Ordering Information

HUE-421S Industrial 4 10/100TX + 2 100FX (SC, MM 2km) Compact Ethernet Switch

HUE-421SE Industrial 4 10/100TX + 2 100FX (SC, MM 2km) Compact Ethernet Switch , Extended Temperature

 Red indicates produced to order