

HNT-1401GH-X4 | Industrial Gigabit PoE++ Media Converter



FEATURE HIGHLIGHTS

- 1x 10/100/1000Base-T(X) Gigabit Ethernet port, compliant with IEEE 802.3bt
- 1x 100/1000Base-(F)X SFP slots
- Support Link Fault Pass-Through (LFP) function
- Support PD Remote Rest Technology (PRRT) function
- Redundant power inputs 48-55VDC
- Rugged Metal Design with IP30
- Operating temperature range:
Standard: -10°C ~ 65°C, Extend: -40°C ~ 75°C

DESCRIPTION

HNT-1401GH-X4 is an industrial grade media converter. It provides 1x 10/100/1000TX full gigabit RJ-45 ports compliant with IEEE 802.3bt PoE function and 1x 10/1000 SFP slot for your industrial applications. Designed with IP30 metal rugged case and operating temperature can be selected to support -40 to 75 degree C (-T model) to ensure the network reliability and works perfectly in extreme harsh environment.

HNT-1401GH-X4 also supports redundant power inputs 44~55 VDC. It is designed following industrial standards with din rail or wall mounting. The high power of PoE function provides flexibility and cost-efficient solution to create a communication network.

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SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at/bt Power over Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Properties	
Switching Fabric (Back-Plane)	4Gbps
Memory Buffer	1 Mbits
Jumbo Frame	10Kbytes
MAC Table Size	8K
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet port
Interface	
RJ45 Ports	1 * 10/100/1000Base-T(X) with IEEE 802.3bt PoE Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Fiber Port	1 * 100/1000Base-F(X) SFP slot
PoE Pin Out	V-, V-, V+, V+, for pin 1, 2, 3, 6 V+, V+, V-, V-, for pin 4, 5, 7, 8 Support Mode A, Mode B, 4-Pair Mode
LED Indicators	Power Status LED, IEEE802.3af/at PoE Enabled LED, IEEE 802.3bt PoE Enabled LED Ethernet Ports: On-Link/Flash-data transmitting SFP: Link/Active
Dip Switch	DIP Switch 1: PD Remote Reset Technology (PRRT) Enable/Disable DIP Switch 2: Link Fault Pass-Through (LFP) Enable/Disable DIP Switch 3: 100Mbps/1000Mbps

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Power Requirements

Input Voltage	Dual 48-55VDC redundant power inputs * For IEEE802.3 bt application, power supply not less than 53V is recommended
Power Connection	1*removable 4-contact terminal block
Power Consumption	3 Watts for system
Max. PoE Power Budget	90 Watts

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	30 x 95 x 75 mm (W x H x D)
Weight	Unit Weight: 0.27kg (0.59 lb), Shipping Weight: 0.37kg (0.81 lb)
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

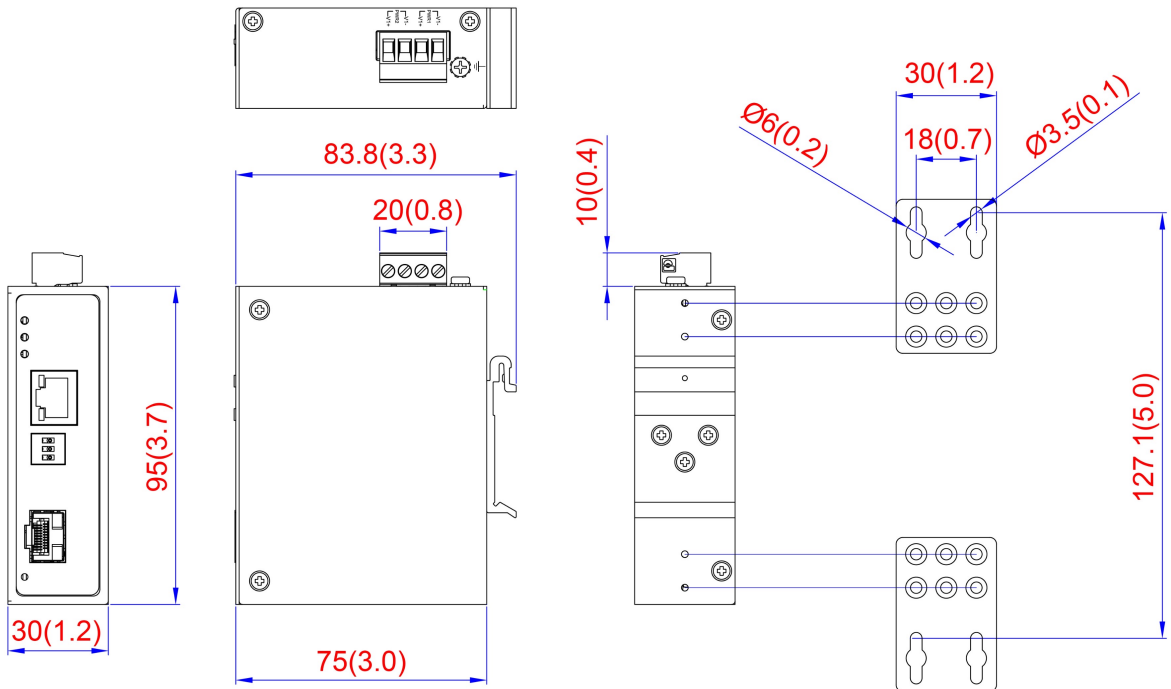
Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F) EOT: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant

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DIMENSIONS



Unit: mm (inch)

Din-rail

Wall-mount

ORDERING INFORMATION

Model Name	10/100/1000T(X) 90W PoE	100/1000(F)X SFP	Power Inputs	Temperature
HNT-1401GH-X4	1	1	48-55VDC	-10~65°C
HNT-1401GH-T-X4	1	1	48-55VDC	-40~75°C