

FEATURE HIGHLIGHTS



- 10BASE-T1L IEEE Standard 802.3cg-2019 compliant Class 12
- Transmitting Ethernet signals and power over a single twisted pair of cables
- 10 Mbps full-duplex communications up to 1,000 meters over a single pair of twisted wires
- DIN-rail mounting
- Operating Temp. -20 to 60 degree C

DESCRIPTION

HNT-1801-T-X8 is an industrial media converter designed for seamless integration into industrial control networks. Featuring one 10BASE-T1L Single Pair Ethernet (SPE) port and one 10BASE-T RJ45 port, it enables 10 Mbps Ethernet communications over existing fieldbus wiring up to 1000 meters.

Compliant with IEEE 802.3cg, the converter supports Auto and Master/Slave modes via DIP switch. Encased in a compact IP30 metal housing with a wide -20°C to 60°C operating temperature range, it is built for reliable performance in harsh environments.

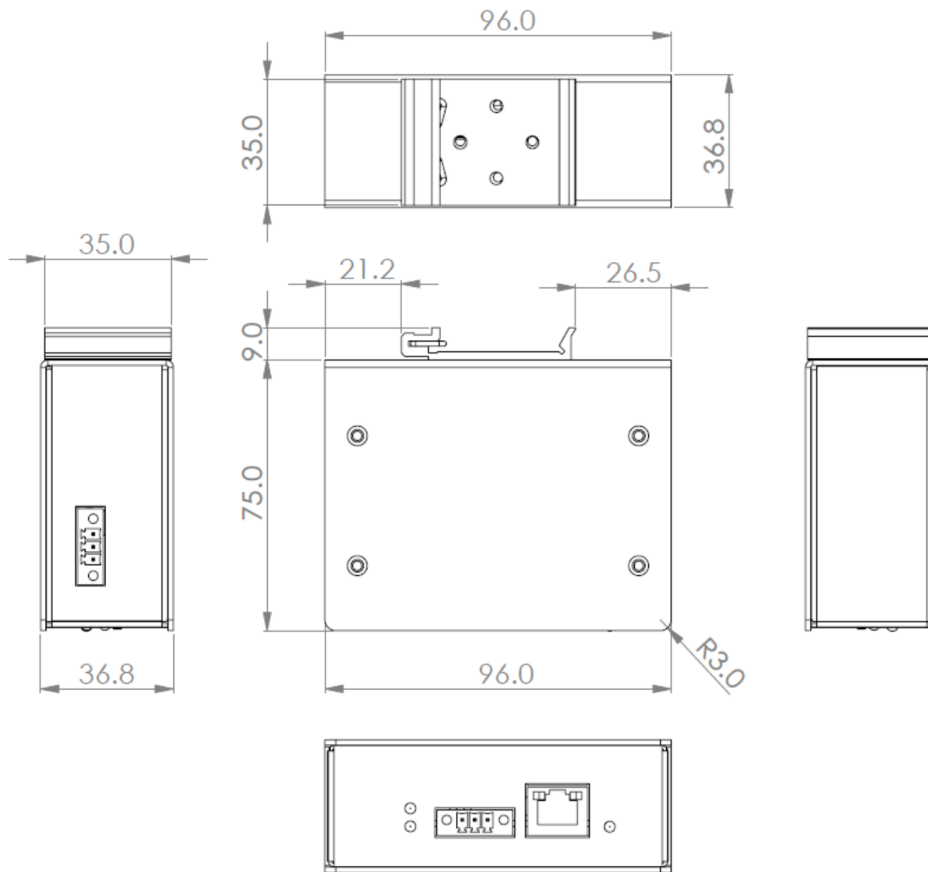
HNT-1801-T-X8 fits your application with reducing wiring complexity and space savings,

SPECIFICATIONS

Ethernet Interface	10BASE-T Ports(RJ45 connector)	1 Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed
	10BASE-T1L Ports(Phoenix connector)	1 Single Pair Auto negotiation speed 10BASE-T1L
	Standards	IEEE 802.3cg
Power Parameters	Operating Input Voltage	20 ~ 27VDC
	Overload Current Protection	Supported
Physical Characteristics	Dimensions	W 96x D 75x H 36.8(mm)
	Installation	DIN-rail mounting
	IP Rating	IP30
	Weight	390g
Environmental Limits	Operating Temperature	-20 to 60°C
	Storage Temperature (package included)	-40 to 75°C
	Ambient Relative Humidity	5 to 95% (non-condensing)
Standards and Certifications	EMS	EN61000-4-2 (ESD), Contact: 6 kV; EN61000-4-3 (RS), 80~1000Mhz, 3V/m EN61000-4-4 (EFT),Signal: 0.5 kV EN61000-4-5 (Surge),Signal:0.5kV
	EMI	FCC Part 15 Class A, EN 55032 Class A

DIMENSION

W x D x H (mm)



ORDERING INFORMATION

Model name	Description
HNT-1801-T-X8	1 x 10BASE-T1L & 1 x 10BASE-T RJ45 Converter, -20 to 60 degree C