

## FEATURE HIGHLIGHTS



- 10BASE-T1L IEEE Standard 802.3cg-2019 compliant Class 12
- Output Power Rating 8.4 W
- 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-SPL-T-X8 functions as a Powered Device (PD), receiving and splitting the data and power signals transmitted from Power Sourcing Equipment (PSE). It serves a dual role—receiving reliable power from industrial PoE infrastructure while enabling stable Ethernet connectivity in demanding environments.

Engineered for harsh conditions, the HNT-1801-SPL-T-X8 features a wide operating temperature range of -20°C to 60°C and is built to withstand high levels of vibration and shock. Its rugged hardware design ensures dependable operation in critical industrial settings, including hazardous locations. The unit complies with FCC and CE standards, providing peace of mind for deployments requiring strict regulatory compliance.

# HNT-1801-SPL-T-X8 | Industrial Single Pair Ethernet (SPE) Splitter

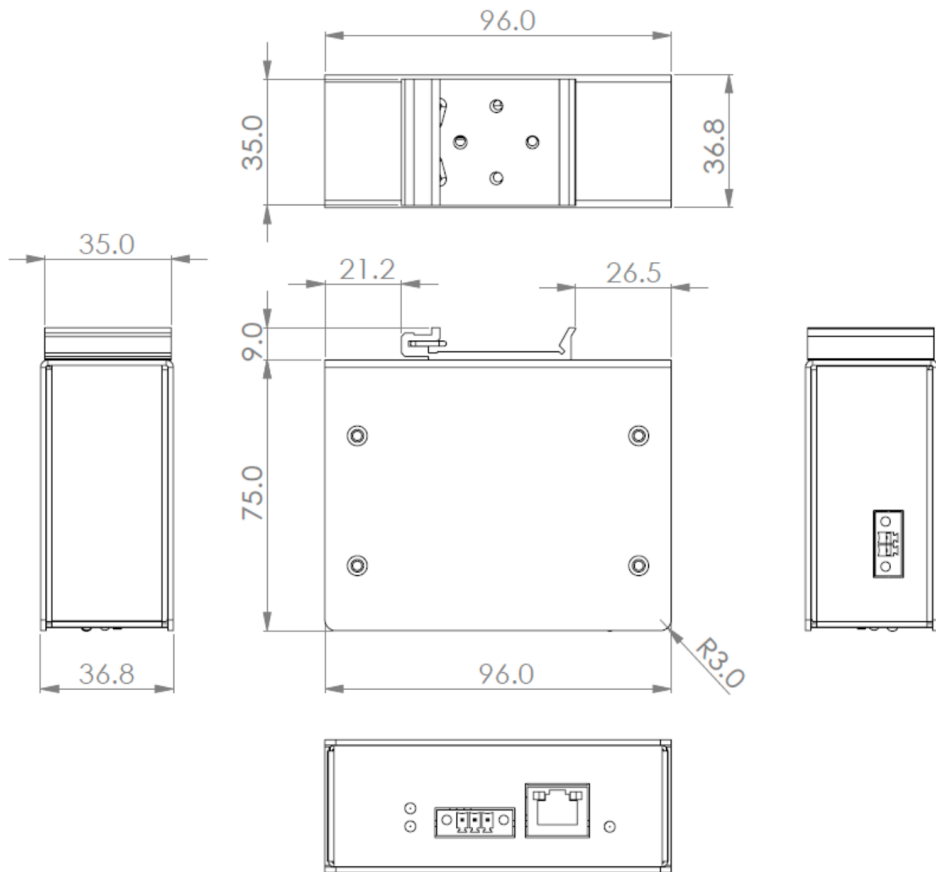
## SPECIFICATIONS

Ethernet Interface	10Base-T Ports(RJ45 connector)	1 Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed
	SPoE Ports(PD), 10Base-T1L	1 Single Pair Auto negotiation speed 10-Base T1L Class 12
	Standards	IEEE 802.3cg for SPoE Class12
Power Parameters	Operating Input Voltage	20 ~ 27VDC(PoDL)
	Output Voltage Rating	24 VDC
	Output Power Rating	8.4W
	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

# HNT-1801-SPL-T-X8 | Industrial Single Pair Ethernet (SPE) Splitter

## DIMENSION

W x D x H (mm)



## ORDERING INFORMATION

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