

### FEATURE HIGHLIGHTS



- 10BASE-T1L IEEE Standard 802.3cg-2019 compliant Class 12
- Output Power Rating 13.2 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

The HNT-1801-TP-T-X8 functions as a Power Sourcing Equipment (PSE), delivering both data and power over a single Ethernet cable to Powered Devices (PDs). It serves a dual role—supplying reliable power to industrial equipment while enabling stable Ethernet connectivity in demanding environments.

Engineered for harsh conditions, the HNT-1801-TP-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.

**SPECIFICATIONS**

Ethernet Interface	10BASE-T Ports(RJ45 connector)	1 Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed
	PoDL Ports(PD), 10BASE-T1L	1 Single Pair Auto negotiation speed 10BASE-T1L Class 12
	Standards	IEEE 802.3cg for PoDL Class12
Power Parameters	Operating Input Voltage	20 ~ 27VDC(PoDL)
	PoDL Power Rating	13.2W
	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

We also have Class10,Class11 & Class13.Class14 products. Email us for datasheets.

