

HNT-1501GH90-T-X4 | Industrial Gigabit Ethernet PoE++ Injector



FEATURE HIGHLIGHTS

- Inject power and gigabit ethernet data to PoE PD equipment
- IEEE802.3af/at/be compliant PoE function
- Support enhanced PoE output up to 100W
- Redundant 48-55VDC power inputs design
- Operating temperature -40 to 75 degree C

DESCRIPTION

HNT-1501GH90-T-X4 Industrial PoE injector has 1 gigabit ethernet port and 1 gigabit PoE port. It can solve the problem by deploying the data and power from non-PoE switch to any PD device that require PoE to start. It is also a good low cost solution when any of the switch ports is lack of PoE function but the device on the other side happens to be a PoE demanding device.

HNT-1501GH90-T-X4 supports power input from 48VDC to 55VDC, ensuring full 90W PoE output, in compliance with IEEE 802.3bt standard, for better usage in the automation industry. Moreover, for some special application which eagers for more PoE power from the PSE device, this model also supports Enhanced PoE mode to offer up to 100W to the powered device.

HNT-1501GH90-T-X4 is designed for industrial environment and operating temperature is extended between -40 to 75 degree C with CE/FCC/UL industrial standard approval.

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SPECIFICATIONS

Interface	
RJ45 Ports	1*10/100/1000Base-T(X)
RJ45 Ports (P.S.E. out)	1*10/100/1000Base-T(X) with PoE++ (compliant IEEE 802.3af/at/bt)
PoE Pin Out	V-, V-, V+, V+, for pin 1, 2, 3, 6; V+, V+, V-, V-, for pin 4, 5, 7, 8 *Support Modes: Mode A, Mode B, 4-Pair Mode
Dip Switch	DIP 1 - PoE Mode: OFF (Standard PoE), ON (Enhanced PoE) DIP 2 - Dual PD Check: OFF (Disabled), ON (Enabled)
LED Indicators	PWR: Power input connection status PoE: PoE supply status P/L: PoE loading status
Relay Contact	24 VDC, 1A resistive
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m) NOTE: The total length from the device A through the Injector to the device B must not exceed 100 meters
Power Requirements	
Input Voltage	Dual 48-55VDC redundant power inputs
Power Connection	1 removable 4-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 1.6W full loading
Max. PoE Power Budget	Standard PoE Mode: 60W@9VDC, 90W@12-55VDC Enhanced PoE Mode: 60W@9VDC, 90W@12VDC, 100W@24-55VDC

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Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions (W x H x D)	30 x 95 x 75 mm
Weight	Unit weight: 0.36 kg (0.8 lbs.) Shipping weight: 0.5 kg (1.12 lbs.)
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	-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)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2: 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
Safety	UL61010-1, UL61010-2-201
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	730,859 hrs.
Warranty	5 Years

ORDERING INFORMATION

Model Name	RJ45 Ports	PoE Port	Power	Operating Temperature
HNT-1501GH90-T-X4	1	1	48-55VDC	-40~75 degree C

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DIMENSIONS

Unit: mm

