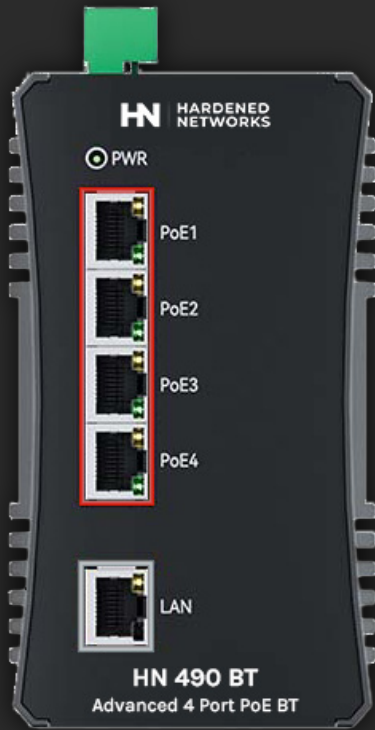


ITS EXPRESS

A **HN** HARDENED NETWORKS BRAND



HN-490BT Industrial 4 Port @ 90W PoE Injector

The HN-490BT is a state-of-the-art four-port power over Ethernet (PoE) injector designed to meet the demanding power requirements of multiple modern PoE devices simultaneously. It is TS-2-rated and delivers a robust 90 Watts of power, fully compliant with the latest IEEE 802.3BT standards. It supports link speeds of 10/100/1000Mbps, making it the ideal solution for powering a wide range of PoE devices, including high-power PTZ cameras, outdoor wireless radios, fixed detection cameras, and more.

The HN-490BT, operating on a wide voltage range of 120 VAC and capable of functioning in extreme temperatures ranging from -40°C to 75°C, is built to perform reliably in various harsh environments. This durability makes it suitable for indoor and outdoor applications, ensuring it can adapt to different operating conditions.

Prior to powering the Powered Device (PD), the HN-490BT intelligently auto-detects the required wattage from the device, ensuring seamless compatibility with only 802.3-compliant PoE devices. This intelligent power allocation feature optimizes the power delivery process and enhances overall efficiency and reliability, giving you confidence in its performance.

Furthermore, the HN-490BT is designed to transmit power and data effectively over 100 meters using a Cat5e/Cat6 cable, ensuring a reliable and stable power supply for your PoE devices, even over long distances. Whether for surveillance, wireless connectivity, or other PoE applications, the HN-490BT is the dependable choice for fulfilling your PoE power needs with enhanced efficiency and intelligence.

- ▶ NEMA TS-2 Hardened PoE Injector (wide temp range)
- ▶ Internal power supply 110VAC input
- ▶ 4 Port 90 Watt 802.3bt
- ▶ 200 Watt Link Budget
- ▶ 802.3bt with backward compatibility. Drives most PoE devices made. Type 1 - Type 4
- ▶ 55VDC for 328 feet (100 Meter) Cat 5E/Cat 6
- ▶ Intelligent auto-detect speed and power requirements
- ▶ DIN- rail mounted

Model	HN-490BT
Technology	
Standard	- IEEE802.3 10Base-T Ethernet - IEEE802.3u 100Base-Tx Fast Ethernet - IEEE802.3ab 1000Base-T Gigabit Ethernet - Fully compliant with IEEE802.3af/at/bt - RoHS Compliance - WEEE Compliance
Power	
Input	120VAC 1.5A 50/60Hz
Output	55Vdc 1.64A per port
Total Power Budget	200W
Power Pins	4/5(+), 7/8(-), 3/6(+), 1/2(-)
Data Speed	10/100/1000Mbps
Environmental	
Operating Temperature	-40°C to 75°C
Operating Humidity	20% to 80%, non-condensation
Storage Temperature	-40°C to 85°C
Storage Humidity	10% to 90%, non-condensation
Operating Altitude	up to 5000meters
PoE Surge Protection	
Protected Line	1,2,3,4,5,6,7,8
Common Mode Surge Protection(10/700us)	4KV
Differential Mode Surge Protection (10/700us)	1.5KV
Physical Characteristics	
Case	Metal
Color	Black
Mounting	DIN-rail
IP Rated	IP40
Dimensions	146mm X 95.1mm X 76mm
Weight	1230g
LED Indicator	
Power Indicator	Green
PoE Load Indicator	Green
PoE Port Link Indicator	Yellow
LAN Data Indicator	Green
Regulatory Approvals	
Safety Approvals	-CE -FCC
EMI	FCC CFR47 Part 15, EN55032, EN55035
EMS	- IEC61000-4-2(ESD) ± 4kV(contact), ±8kV(air) - IEC61000-4-3(RS) 3V/m(80MHz~1000MHz) - IEC61000-4-4(EFT) Power Port: ±1kV; Data Port:±0.5kV - IEC61000-4-5(Surge) Line to Line:±1kV, Line to Earth:±2kV - IEC61000-4-6(CS) 3V(0.15MHz~10MHz)
Immunity	- IEC60068-2-6(Vibration) - IEC60068-2-27(Impact) - IEC60068-2-32(Free Fall)
General	
Order Info	HN-490BT
Warranty	1 year



Other Solutions

Hardened Networks has created variety of high quality products to fit your needs. If you did not find what you needed in the HN-490BT, please try the HN-160BT, or browse our other solutions.

Ethernet Switches

Communications



HN-8012-24 V3

- 4 Ultra Fiber Ports SFP+ 100Mb/1000Mb/2.5Gb/10Gb
- 4 Enhanced Fiber Ports SFP 100Mb/1000Mb/2.5Gb
- 16 Copper Ports 10Mb/100Mb/1000Mb
- 176 GBPS Back-Plane



HN-8042 V3

- 2 Ultra Fiber Ports SFP+ 100Mb/1000Mb/2.5Gb/10Gb
- 2 Enhanced Fiber Ports SFP 100Mb/1000Mb/2.5Gb
- 8 Copper Ports 10Mb/100Mb/1000Mb
- 96 GBPS Back-Plane



HN-8012-24+ V3

- 4 Ultra Fiber Ports SFP+ 100Mb/1000Mb/2.5Gb/10Gb
- 4 Enhanced Fiber Ports SFP 100Mb/1000Mb/2.5Gb
- 16 Copper Ports 10Mb/100Mb/1000Mb
- Two sets of bypass fiber ports
- 176 GBPS Back-Plane



HN-8042+ V3

- 2 Ultra Fiber Ports SFP+ 100Mb/1000Mb/2.5Gb/10Gb
- 2 Enhanced Fiber Ports SFP 100Mb/1000Mb/2.5Gb
- 8 Copper Ports 10Mb/100Mb/1000Mb
- Two sets of bypass fiber ports
- 96 GBPS Back-Plane



HN- MC-1000

- 10Mb/100Mb/1000Mbps Ethernet BASE-T/TX to SFP (MM or SM)
- Optical port supports 100Mb or 1000Mb full duplex data



HN- MC-100

- 10Mb/100Mbps Ethernet BASE-T/TX to SFP (MM or SM)
- Flexible power 18-46VAC/12-60 VDC



HN- VC-100

- High Speed VDSL-2 Technology
- 10Mb/100Mbps Ethernet BASE-T/TX to a pair of copper cables
- Flexible power 18-46VAC/12-60 VDC

We here at Hardened Networks are proud to carry products that are certified by:



Express Supply, Inc.

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