ITS EXPRESS

A **HN** HARDENED NETWORKS BRAND

HN-160BT 1 Port PoE Injector

Introducing the HN-160BT, a state-of-the-art single-port Power over Ethernet (PoE) injector designed to meet the demanding power requirements of modern PoE devices. The HN-160BT is NEMA TS-2-rated and delivers a robust 60 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.

Operating on a wide voltage range of 120 VAC and capable of functioning in extreme temperatures ranging from -40°C to 75°C, the HN-160BT is built to perform reliably in various harsh environments, making it suitable for indoor and outdoor applications.

Prior to powering the Powered Device (PD), the HN-160BT 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, enhancing overall efficiency and reliability.

Furthermore, the HN-160BT is designed to transmit power and data effectively over a distance of 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-160BT 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

▶ 1 Port 60 Watt 802.3bt

▶ 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-160BT
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 1.1A
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)	6KV
Differential Mode Surge Protection (10/700us)	1.5KV
Physical Characteristics	
Case	Metal
Color	Black
Mounting	DIN-rail
IP Rated	IP40
Dimensions	144.5mm X 104.2mm X 60mm
Weight	819g
LED Indicator	
Power Indicator	Green
PoE Load Indicator	Yellow
Regulatory Approvals	
General	Exceeds NEMA TS-2 specifications
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-160BT
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-160BT, please try the HN-490BT, or browse our other solutions.

Ethernet Switches

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

Communications

HN- MC-1000

- 10Mb/100Mb/1000tMbps 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.   www.expresssupply.net   (407) 497-8614