

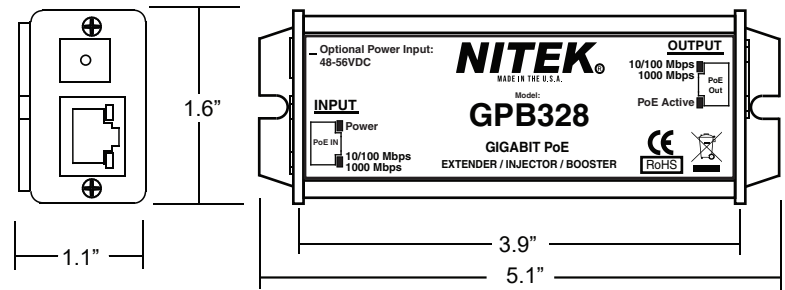
### GIGABIT PoE+ Extender, Injector, and Booster

The GPB328 is a versatile midspan device that combines Gigabit Ethernet and PoE+ range extension with power injection and boosting capabilities. Each unit may be installed up to 500ft from an upstream PoE or standard Gigabit switch and provides an additional 500 ft of Gigabit Ethernet and IEEE 802.3af/at PoE transmission. Additionally, multiple GPB328's may also be connected in series without loss of signal integrity to provide unparalleled transmission extension with the benefit of optional power reinjection at any GPB328 along the run.

The GPB328 may be powered either by a PoE source connected to one of the Ethernet ports or by using the external DC PS48 supply (also included). When locally powered, the unit functions as a PoE+ injector for non PoE switches and also boosts PoE output back up to full IEEE802.3at levels, providing a maximum output of 30W, to compensate for losses due to long distances and upstream PoE devices.

The GPB328 is easy to use with true plug-n-play installation. Simply connect the device to the transmission line and appropriate power source and allow the device to initialize. The LEDs indicate power, link status, and PoE output status for simple troubleshooting.

The unit is built from industrial grade, RoHS compliant anodized aluminum, providing excellent durability and corrosion resistance as well as being backed by a full Limited Lifetime Warranty.



#### PRODUCT FEATURES

- Transmits Gigabit Ethernet and PoE up to 500 ft (~150m)
- Can be linked to additional GPB328 units to achieve further transmission
- Inserts PoE for non-PoE switches with optional Power Supply
- Boosts PoE back to full AT levels (25.5W) with optional Power Supply
- Supports IEEE802.3at (25.5W) and IEEE802.3af (15.4W)
- Fully transparent to the network, no MAC or IP addressing required
- LED indicators for power, link status, and PoE output
- Supports any IP network device & 4K cameras
- Short circuit, over current, and over-voltage protection
- Ground loop isolation
- True Plug & Play installation and set up
- Limited Lifetime Warranty
- Designed, tested, manufactured, and supported in the U.S.A.

#### TECHNICAL SPECIFICATIONS

##### Max Operating Distance

Input Port: >500ft / 150m  
Output Port: >500ft / 150m

##### Recommended Operating Distance

Input Port: 328ft / 100m  
Output Port: 328ft / 100m

##### Power

Power Output: Meets IEEE802.3af/at PoE / PoE+  
PoE Source: Any available IEEE802.3af/at compliant input source  
Local Power: Optional 48-56V DC Supply for Injection and Boost  
Power Use: 0.55-1.5W

##### LED Indicators

Input Port: Device Power, Link Status  
Output Port: PoE Status, Link Status

##### System Latency

System Latency: <1mS over 150m Cat 5e / Cat 6

##### Mechanical Dimensions

L x W x H: 130mm x 41mm x 28mm / 5.1" x 1.6" x 1.1"

##### Shipping Dimensions

L x W x H: 193mm x 153mm x 60mm / 7.75" x 6.4" x 2.4"  
Weight: 0.45kg / 1lbs

##### Environmental / Temperature

Operating: 0°C to 70°C / 32°F to 158°F  
Storage: -40°C to 75°C / -40°F to 167°F  
Humidity: Up to 90% non-condensing

##### Connectors

Input Port: RJ45 Connector  
Output Port: RJ45 Connector  
Power: 2.5x5.5mm Plug

##### Rating / Compliance

IEEE802.3af/at, RoHS, CE, TAA  
NEMA TS-2: Temperature & Humidity NEMA 2.2.7  
Mechanical Vibration NEMA 2.2.8  
Mechanical Shock NEMA 2.2.9  
Operating Voltage NEMA 2.1.2  
Operating Frequency NEMA 2.1.8  
Transient Test NEMA 2.1.6 thru 2.1.8

REV. 04092026

