IPE30

1 Channel Din-rail 802.3at 30W PoE Injector



Product Description:

The IPE30 is a compact, single-port PoE injector designed for versatile and cost-effective deployment. Fully compliant with the IEEE 802.3at standard, it delivers up to 30W of power to connected devices across a range of network speeds, with models available in 1G, 2.5G, 5G, and 10G versions to suit varied bandwidth needs.

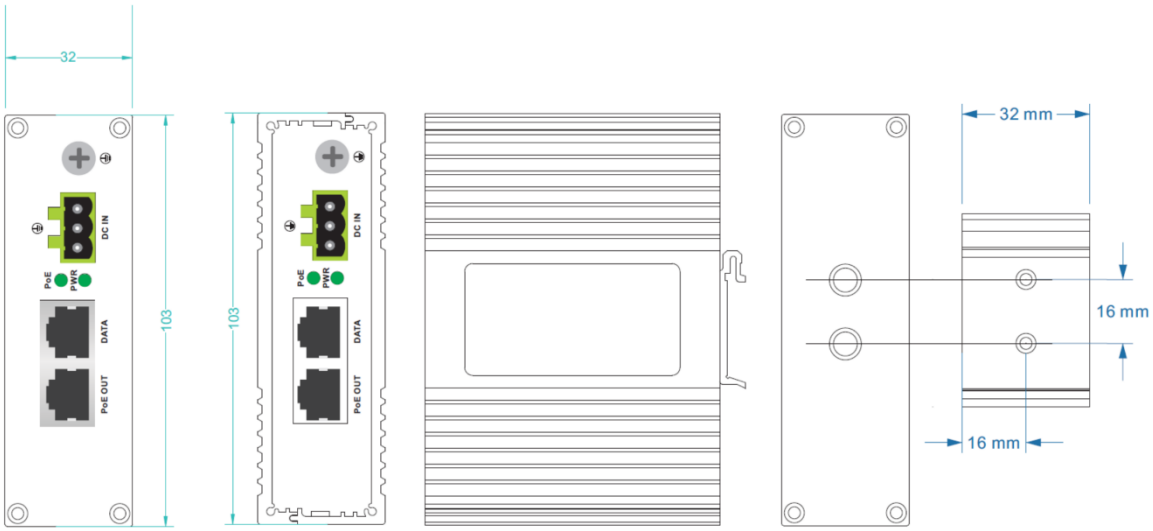
Ideal for modern PoE applications, the IPE30 reliably powers Wi-Fi 6 access points, IP cameras, VoIP phones, and other devices in high-density installations. With a wide DC input range of 45–56V, it eliminates the need for an external power supply, offering a secure, stable, and economical Power over Ethernet solution that integrates seamlessly into your existing network infrastructure.

Product Features:

- Conforms to IEEE802.3af, IEEE802.3at
- Up to 30W of Power output on 2-pairs
- Auto-detect of IEEE802.3af, IEEE802.3at Powered Devices
- Support 4 versions based on 1G/2.5G/5G/10G data transport flow
- LED indicators power input and PoE output indication
- Transport Distance up to 100 meters
- ESD protection level 6kV
- DC IN port surge protection level 8/20us DM/CM 3KA
- RJ45 port Surge protection level 10/700us DM/CM 6KV
- Wide power input: 45~56VDC
- Wide working temperature: -40~75℃
- IP40 Aluminum case
- 200,000 hours MTBF (Parts count reliability prediction)
- EMI: FCC Part 15, CISPR (EN55022) Class A
- EMS: EN61000-4-2 (ESD), EN61000-4-3 (RS)
- EN61000-4-4 (EFT), EN61000-4-5 (Surge)

- EN61000-4-6 (CS), EN61000-4-6 (Common Mode Conduction)
- Industrial: IEC6100-6-2
- Railway: EN50155, EN50121-4
- Transportation: NEMA TS-2
- Warranty: 5 years

Product Dimension：



Product Specifications：

Attributes	
Networking Interfaces	2×1G/2.5G/5G/10G Shielded RJ-45 ports
LED Indicators	System Indicator: DC Power User Indicator: Channel Power
Copper Cable	
10Base-T	2-pair UTP/STP Cat. 3,4,5/5E,6 cable EIA/TIA-568 100-ohm (100m)
100Base-T	2-pair UTP/STP Cat. 5/5E,6 cable EIA/TIA-568 100-ohm (100m)
1000Base-T	4-pair UTP/STP Cat. 5E,6 cable EIA/TIA-568 100-ohm (100m)
2500Base-T	4-pair UTP/STP Cat. 5E,6 cable EIA/TIA-568 100-ohm (100m)
5000Base-T	4-pair UTP/STP Cat. 6, 6A,7 cable EIA/TIA-568 100-ohm (100m)
10000Base-T	4-pair UTP/STP Cat. 6A,7, 8 cable EIA/TIA-568 100-ohm (100m)
Physical	
Dimensions	103x78x32mm
Weight	0.5kg
Operating Temperature	-40 to 75℃
Storage Temperature	-50 to 85℃
Operating Humidity	5 to 90% Noncondensing

Storage Humidity	5 to 95% Noncondensing
Power Method	45-56VDC
EMC Safety	FCC, CE, RoHS
ESD Protection	6kV
DC IN port surge protection	8/20us DM/CM 3KA
LAN ports Protection	10/700us DM/CM 6KV
Reliability	200,000 hours MTBF
Power over Ethernet	
Input Power Volt	45 to 56 VDC
PoE Interfaces	1×1G/2.5G/5G/10G RJ45 Port
PoE Standard	IEEE802.3af, IEEE802.3at
Max. PoE Wattage per Port	30W
PoE Pin Assignment	V+ (RJ45 Pin3,6), V- (RJ45 Pin 1,2)
Package List	
Industrial PoE Injector	1pcs
User Manual	1pcs
Warranty Card	1pcs

Order Information:

Switch Models	
IPE30-10G	1 Channel 10G Din-rail 30W 802.3at Industrial PoE Injector，IEEE802.3at
IPE30-5G	1 Channel 5G Din-rail 30W 802.3at Industrial PoE Injector,IEEE802.3at
IPE30-2.5G	1 Channel 2.5G Din-rail 30W 802.3at Industrial PoE Injector,IEEE802.3at
IPE30-1G	1 Channel 1G Din-rail 30W 802.3at Industrial PoE Injector,IEEE802.3at