

IDX102-at

3 Ports Din-rail 10/100M Industrial PoE Extender



Product Description:

The IDX102-at is a high-performance Industrial PoE extender engineered to meet IEEE802.3at standards, featuring one IEEE802.3at input port with up to 30W of input power, and two IEEE802.3at output ports capable of delivering up to 30W per port. Built with an IP40 industrial-grade housing and connectors, it ensures reliable performance in harsh environments—ideal for PTZ cameras, access points, and other industrial applications. Each port is equipped with 6KV surge protection for enhanced durability.

This extender enables the deployment of PoE-powered devices—including IP cameras, VoIP phones, and wireless access points—well beyond the standard 100-meter limit. By adding an extender every additional 100 meters, both data and power can be extended to 200, 300, or even further distances, depending on power requirements and source capacity.

Requiring no separate power supply, the IDX102-at simplifies installation by drawing power directly from a PoE+ switch or mid-span injector. Its four Ethernet ports automatically negotiate link speed, duplex, and crossover while maintaining full-rate network throughput. This makes your extended network setups easier, more stable, and highly versatile.

Product Features:

- IEEE802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3af, IEEE802.3at
- 1 10/100M PoE+ input (PD port) and 2 10/100M PoE+ outputs (PSE ports)
- Extends the range of PoE and Ethernet an additional 100 meters.
- No additional power supply is required.
- Automatically detects and protects PoE equipment from being damaged by incorrect installation.
- Full-rate network throughput the whole extended distance.
- Compact size, Wall-Mountable design.
- Easy plug-and-play installation.
- IP40 Aluminum case
- CE class A, LVD, FCC, ROHS 2.0

Product Specifications:

Power over Ethernet	
PoE Interfaces	1 x RJ-45 Connector for 802.3at Power input 2 x RJ-45 Connector for 802.3af/at Power output
Networking Interfaces	3 10/100M RJ45 Copper ports.
PoE Standard	IEEE802.3af, IEEE802.3at
Input PoE Voltage	44~57VDC
Input PoE Pin Assignment	V+ (RJ45 Pin3,6), V- (RJ45 Pin 1,2) or V+ (RJ45 Pin4,5), V- (RJ45 Pin 7,8)
Output PoE Wattage	30W (per port)
Output PoE Pin Assignment	V+ (RJ45 Pin4,5), V- (RJ45 Pin 7,8)
Power cost	≤5W
Physical	
Dimensions	103*75*32mm
Weight	1kg
Operating Temperature	-40 to 75°C
Storage Temperature	-45 to 85°C
Operating Humidity	5 to 95% Noncondensing
Ingress Protection Level	IP40
Package List	
Industrial PoE Extender	1pcs
User Manual	1pcs
Warranty Card	1pcs

Order Information:

Models	
IDX102-at	3 Ports Din-rail Industrial 10/100M PoE+ Extender