



## Industrial 1-Port 802.3bt PoE++ to 2-Port 802.3at Gigabit PoE

### Extender

» [IPOE-E302](#)



802.3af  
802.3at  
Mid-span  
PSE

IP 67  
IK10  
Aluminum  
Case

IP67

75°C

-40°C

Wall  
mountable

#### Physical Port

- Three 10/100/1000BASE-T Gigabit RJ45 ports
  - 1-port data + power input
  - 2-port data + power output

#### Power over Ethernet

- 1-port data + power input
  - Complies with IEEE 802.3bt PoE++ Type 4 standard PD
  - Compatible with PoH (Power over HDBASE-T) protocol
  - Backward compatible with IEEE 802.3at PoE+ end-span or mid-span PD
  - Supports PoE input power up to 95 watts
- 2-port data + power output
  - Complies with IEEE 802.3at Power over Ethernet mid-span PSE
  - Up to 2 IEEE 802.3af/802.3at PoE devices powered
  - Supports total PoE budget up to 65 watts for 2 PoE output ports
  - Auto detects powered device (PD)
- Extends the range of PoE to an additional 100 meters (328ft.)
- Forwards both Ethernet data and PoE power to remote device

#### Layer 2 Features

- Hardware-based 10/100Mbps, half / full duplex and 1000Mbps full duplex mode, flow control, auto-negotiation and auto MDI/MDI-X
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation
- Integrates address look-up engine, supporting 2K absolute MAC addresses
- 9K jumbo frame support in 1000Mbps duplex mode
- Automatic address learning and address aging

#### Industrial Case and Installation

- IP67-rated aluminum case
- Wall-mount design
- Supports 6KV DC Ethernet ESD protection
- -40 to 75 degrees C operating temperature
- No external power cable required for installation
- Plug and Play installation

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Art. N° 161222

Network Connector	PoE in Port 1 x 10/100/1000BASE-T Ethernet with 802.3bt PoE++ "Data + DC" in, auto MDI/MDI-X, auto-negotiation RJ45 connector
	PoE out Port 2 x 10/100/1000BASE-T Ethernet with IEEE 802.3af/at PoE "Data + DC" out, auto MDI/MDI-X, auto-negotiation RJ45 connector
Switch Architecture	Store-and-Forward switch architecture
MAC Address Table	2K MAC address table with auto learning function
Data Buffer	1Mbit
Switch Fabric	6Gbps
Switch Throughput	4.46Mpps @ 64Bytes
Flow Control	IEEE 802.3x pause frame for full duplex Back pressure for half duplex
Jumbo Frame	9Kbytes
ESD Protection	Air 8KV DC Contact 6KV DC
Surge Protection	6KV
Enclosure	IP67-rated and IK10 aluminum metal case
Installation	Wall-mount ear
LED Display	Link/ACT LED x 3
Dimensions (W x D x H)	150 x 43.8 x 72.94 mm (W x D x H) 169.85 x 43.8 x 72.94 mm (W x D x H), with cable gland
Weight	339g 372g (with three waterproof cable glands)
Power Consumption	97 watts/331.6BTU (Full loading with PoE function)
PoE Standard	PoE in Port IEEE 802.3bt PoE++ Type 4 standard PD PoH (Power over HDBASE-T) IEEE 802.3at PoE+ end-span/mid-span PD
PoE Power	Per PoE out Port IEEE 802.3at PoE+ mid-span PSE  PoE in Port 50~57V DC, max. 95 watts
Power Pin Assignment	Per PoE out Port 48~56V DC, max. 30 watts  PoE in Port 1/2(-), 3/6(+), 4/5(+), 7/8(-) or 1/2(+), 3/6(-), 4/5(+), 7/8(-)
PoE Power Budget	Per PoE out Port 4/5(+), 7/8(-)  60 watts (max.) @ 802.3bt PoE++ input 65 watts (max.) @ PoE input 30 watts (max.) @ IEEE 802.3at PoE+ input No support @ IEEE 802.3af PoE input
	FCC Part 15 Class A