POC-500M - Passive 2-Wire PoE Extender



Front view



Back view

Upgrade Cameras to PoE without replacing existing 2-Wire Cable

Unlock new possibilities with the POC-500M, a smart and cost-effective way to transmit both Ethernet data and power over a single pair of wires. Ideal for modernizing existing infrastructure, it leverages standard 2-conductor cabling to eliminate expensive rewiring while seamlessly connecting IoT devices such as IP phones, security cameras, access control systems, and speakers. With support for both Power over Cable (PoC) and Power over Ethernet (PoE), the POC-500M delivers exceptional flexibility across a wide range of applications. Built for efficiency and easy installation, it extends network reach even in challenging environments, helping you get more from the cabling you already have.

Key Features:

- **Complies with IEEE 802.3 and IEEE 802.3u standards for reliable Ethernet connectivity**
- **Supports flexible power options using either PoE or an external power adapter**
- **Delivers stable 100 Mbps full-duplex data transmission for consistent performance**
- **Enables both PoC and PoE functions for versatile power and data extension**
- **Offers a compact design suitable for desktop placement or wall mounting**
- **Both transmitter and receiver units are included for a complete, ready-to-use solution**

Applications:

- Security and surveillance systems
- Telecommunications and VoIP deployments
- Commercial buildings and smart offices
- Industrial and manufacturing environments
- Transportation and infrastructure projects
- Facility maintenance & operations professionals

Users:

- Security system installers (CCTV/access control)
- Telecommunications technicians
- Network engineers and IT administrators
- Low-voltage cabling technicians
- Field service technicians
- IoT solution specialists

Specifications

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Ethernet Standard	IEEE 802.3, IEEE 802.3u
Data Rate	100 Mbps (Full Duplex)
Power Input (Receiver)	RJ45 PoE Input: 48–56 VDC (IEEE 802.3af/at/bt)
DC Power Input	48–56 VDC
Power Consumption	≤1.5 W per unit
Power Output (Transmitter)	RJ45 PoE Output: 48 VDC (IEEE 802.3af/at)
Receiver Dimensions/Weight	3.86 × 3.41 × 0.98" (98 × 86.5 × 25mm)/ 5.6oz (160g)
Transmitter Dimensions/Weight	3.07 × 2.44 × 1.24" (78 × 62 × 31.5mm)/ 3.7oz (105g)

What's In the Box

- 1 × Transmitter
- 1 × Receiver
- User manual

Ordering Information

POC-500M.....Passive 2-Wire PoE Extender

For more information about
POC-500M, please scan or click:

1 LIMITED PRODUCT WARRANTY YEAR

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