



Passive Ethernet over coaxial converter



EOC200-PAS

Key Features:

- Passive passive drive design (no need power supply)
- 1 Port BNC Interface and 1 Port 10/100M RJ45 interface
- Used to replace IP cameras with analog cameras, no need to replace cables
- One 10/100Mbps RJ-45 port, Auto-Negotiation and Auto-MDI/MDI-X
- Advantage of minimum installation time (Simply as Plug-and-Play)
- Complies with IEEE 802.3, 10Base-T, IEEE 802.3u, 100Base-TX, Flow control Ethernet standards
- Compact in size, easy installation

Passive drive design, no need power supply

BENCHU GROUP'S EOC200-PAS use to passive drive design, eliminating the need for an external power supply. This feature simplifies installation by reducing wiring complexity and making the setup more straightforward. Without a power supply, the converters can be placed in remote or hard-to-reach areas, enhancing flexibility in deployment. Additionally, this design reduces energy consumption, lowers operational costs, and minimizes maintenance needs since there are fewer components that could potentially fail. the passive drive design promotes reliability, cost-efficiency, and ease of use, making it an ideal choice for various networking applications.

Plug-and-Play Installation

The EOC200-PAS is designed with simplicity in mind, featuring plug-and-play installation. This means they require no complex setup or configuration—users simply connect the devices to existing coaxial cables and Ethernet ports, and the network is ready to go. This ease of installation reduces downtime and technical complications, allowing for quick deployment in various settings. The straightforward setup process is especially beneficial for non-technical users and organizations with limited IT support, making it a convenient solution for network expansion.

Compatibility with Existing Coaxial Infrastructure

The EOC200-PAS is compatible with existing coaxial cable infrastructure, which is commonly found in older buildings and facilities. By leveraging the already-installed coaxial cables, the converters eliminate the need for new Ethernet cabling, reducing both costs and installation time. This compatibility also minimizes disruptions to the facility's operations, as there is no need for extensive construction or renovations. The ability to reuse existing coaxial infrastructure makes these converters a cost-effective and efficient choice for upgrading network connectivity.

Technical Datasheet

Model	EOC200-PAS
Hardware Specifications	
Ports	<ul style="list-style-type: none"> • 10/100Base-TX: 1 RJ-45, Auto-Negotiation and Auto-MDI/MDI-X • 1*BNC interface
Encoding	<ul style="list-style-type: none"> • IEEE P1901 • LDPC-C FEC with 128-bit AES
Cabling	<ul style="list-style-type: none"> • Ethernet <ul style="list-style-type: none"> 10Base-T: 2-pair UTP Cat.3,4,5 up to 30m 100Base-TX: 2-pair UTP Cat.5, up to 30m • Coaxial cable <ul style="list-style-type: none"> RG59 cable can transmit up to 300m RG6 cable can transmit up to 300m
Performance* (Downstream / Upstream)	<ul style="list-style-type: none"> • 100m -> 92/52Mbps • 150m -> 74/19Mbps • 200m -> 30/3Mbps • 300m -> 10/2Mbps
Power Requirements	Passive devices
Dimensions (W x D x H)	56 x 35 x 28 mm
Weight	0.1Kg
Environment	
Operating	Temperature: -20~ 70 degrees C; Relative Humidity: 10 ~ 90% (non-condensing)
Storage	Temperature: -40 ~ 85 degrees C; Relative Humidity: 5 ~ 95% (non-condensing)
Standard Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE P1901
The actual data rate will vary on the quality of the Coaxial cable and environment factors.	

Applications

