



IEXT101-EOC-A/B

Ethernet over Coax Extender
with PoE PD and PoE extension features

The IEXT101-EOC is an Ethernet-over-Coaxial cable extender, Industrial grade hardened, that is PoE powered and also extends PoE over coaxial. No configuration is required. Devices must be used in pairs: A and B. The A end is PoE PD device, accepting 802.3at/af PoE while the remote B unit (IEXT101-EOC-B) is a PoE PSE, delivering remaining PoE budget (after coaxial transport), on the local RJ45 port. The IEXT101-EOC devices are DIN rail mountable and hardened for extreme temperatures: -30 to +70 Celsius.

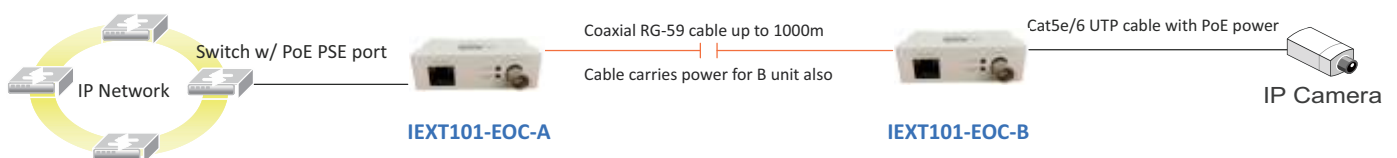
Features

- RJ45 Ethernet to coaxial cable converter (BNC)
- supports IEEE 802.3, IEEE 802.3u and IEEE 802.3X
- 10/100Base-Tx RJ45 to RG59 Coaxial BNC
- reach of 400 meters (1,200ft) for 100Mbps or 1000m (3,000 feet) for 10Mbps
- RJ45 port supports Auto MDI/MDI-X
- less than 2W needed for simple Ethernet extension
- Industrial hardened for 4kV surges and -30~+70 Celsius temp.

Specifications

Interfaces	Connector	RJ-45 Ethernet and BNC Coaxial	Standards	IEEE 802.3, 802.3u, 802.3x	
	Data rate	100M up to 400m or 10M up to 1000m		Indications	LED (Power, Link)
	Duplex mode	Full duplex		Power Input	PoE PSE up to 30W input (IEEE 802.3at or 802.3af) on RJ-45 port, Power over coax for remote IEXT101-EOC-B type unit
	Cable	Coaxial RG59 minimum recommended		Power Consumption	< 2W
Mounting	Distance	up to 1000m over RG-59 cable	Dimensions (D x W x H)	79 x 52 x 23mm	
	DIN rail	built-in TS-35 rail mounting latch	Weight	Per Unit: 61g	
Power and Speed	Cable length	Max PoE Load Capacity(W)/Data Speed	Temperature	-30 ~ 70°C (Operating)	
	100m	21W / 100M	Humidity	5 ~ 95% non-condensing	
	200m	15W / 100M	Certification	CE, FCC	
	300m	11W / 100M	MTBF	65,000 hrs	
	400m	9W / 100M			
	500m	7W / 10M			
	800m	5W / 10M			
1000m	4W / 10M				

Application



Ordering Information

Model Name	Description
IEXT101-EOC-A/B	Ethernet over coaxial cable extender with PoE power and PoE extension, Industrial