

# XSNET 3100EOC

## 10/100/1000Base-TX Ethernet over Coax Adapter

### DESCRIPTION

XSNet Ethernet over Coax (EoC) Adapter allows IP cameras to transmit over Coax cabling. It allows the system to extend IP cameras beyond cable distance limitations. The system transmits IP cameras over coax and can quickly turn any ordinary RG59U coaxial cable into a high speed network communication path. When operating over RG59U coaxial cable, the IP camera extender can operate for distances of up to 3Kkm. XSNet 3100EoC adapter requires very little installation time & absolutely no setup or configuration.

### FEATURES

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10~100Mbps Ethernet extender over coax

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Up to 3 km coax at 30Mb/s

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Support up to 8 nodes

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Error correction

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128 bit AES encryption

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Very low power consumption

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## Description

Supports up to 8 nodes

Up to 8 EoC adapters can be connected to one XSNet 3100EoC master, sharing the coaxial network

Secure encryption

To ensure network security and counter 'eavesdropping', the Ethernet signals are 128 bit AES encrypted.

Ease of installation

The XSNet 3100EoC has a push-button mechanism for network setup and pairing. No additional configuration settings are needed

**Electrical**

Ethernet Interface(s)	10/100/1000Base-TX, autonegotiation, autosensing, auto-MDI/MDIX
Connector type	RJ-45
Cable type	Twisted pair (CAT5 or better)
Maximum distance	100 m
Coax interface	BNC Coax connector
Modulation	Wideband OFDM modem (2-50MHz or 2-100MHz BW for coax)
Error correction	LDPC error correction algorithm with FEC rate of , 2/3, 5/6, 16/18, and 20/21 supported
Encryption	128-bit AES-CCM security with pair-wise keying support
Max. nodes supported	8

**Status LEDs****LED status indicators**

PWR	power on
Coax	Activity
LAN	Activity

**Environmental**

Operating temperature	-20°C to +70°C (-4°F to +158°F)
Storage temperature	-10°C to +80°C (+14°F to +176°F)
Relative humidity	+5 to 95% no condensation

**Powering**

Universal AC/DC adapter	+12VDC, 0.13A (1.6 W max)
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