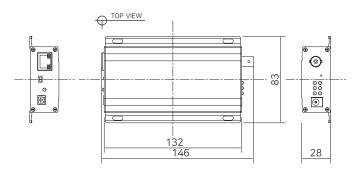
▶ Premium Single Port Ethernet over Coax Transceiver



▲ Dimension



■ Overview

ECP-2701 is an Ultra High-Speed, long distance Ethernet & PoE extender that makes possible to transmit IP data up to 2.4Km and PoE up to 1.2Km through various analog cables in different situations.

It is cost-effective and time saving solution to migrate existing analog system to IP based system since ECP-2701 supports easy installation utilizing the existing CCTV cable (Coax, UTP, 2wire)

With long distance transmission feature, the device makes to overcome 100 meters distance limitation easily and reduces the construction cost significantly compared with fiber optic configuration.

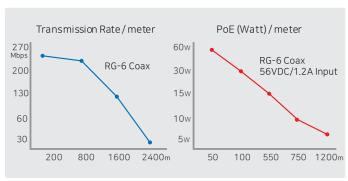
▲ Features

- Ethernet over coax (UTP, 2-Wire) communication following IEEE1901 Standard
- Data + Power over Coax (or UTP, 2-wire)
- Data distance up to 2.4Km
- PoE distance up to 1.2Km
- Max. 270Mbps Bandwidth
- 10/100/1000 Full Duplex
- 128bit AES network encryption
- Supports Multi-connection (Daisy chain, Ring, Star, etc.)
- PoE, PoE+, Extra PoE (Max. 60W output)
- Quality LED (Data & Power)
- Plug & Play
- 12VDC output (for Non-PoE Camera)

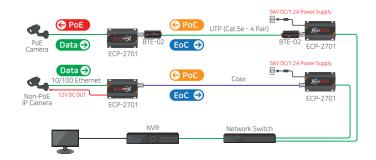
▲ Specification

Interface	Model		ECP-2701:1 Port Transceiver
Ethernet	Interface	Coax	1 x 75Ω BNC (Female) - Ethernet over Coax (B-LinX)
Transmission Distance Ethernet up to 2.4Km(RG-6) PoE (PoC) up to 1.2Km (RG-6 / 7W camera) LED Indication Ethernet 1 x Data(Green) / 1 x PoE(Yellow) EoC 1 x BNC Join(Green) Power 1 x PWR(Blue) Link Quality 1 x Good(Green) / 1 x Bad(Red) Power Quality 1 x Good(Green) : 40V~57V / 1 x Bad(Red) : 40V Under 12VDC out 1 x 12V DC OUT(Green) Encryption 128-bit AES Input B-Linx or DC12V~57V Power PoE Output Support PoE (15W), PoE+ (30W), Extra PoE up to 60W DC Output DC12V / 2A Mechanical Dimension 132(L) x 83(W) x 28(H)mm Weight 198g Operating Temp -20 ~ 60°C Environment Storage Temp -30 ~ 80°C Relative Humidity 10% ~ 90% Compliance Certification FCC, CE, KC Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)		Ethernet	1 x RJ45 - 10/100/1000 Base-T with Auto-detect MDIX
Distance PoE (PoC) up to 1.2Km (RG-6 / 7W camera)	Transmission Rate		270Mbps Full Duplex (PHY: 500Mbps)
Ethernet		Ethernet	up to 2.4Km(RG-6)
EoC		PoE (PoC)	up to 1.2Km (RG-6 / 7W camera)
Power		Ethernet	1 x Data(Green) / 1 x PoE(Yellow)
Link Quality		EoC	1 x BNC Join(Green)
Link Quality		Power	1 x PWR(Blue)
12VDC out		Link Quality	1 x Good(Green) / 1 x Bad(Red)
Encryption		Power Quality	1 x Good(Green) : 40V~57V / 1 x Bad(Red) : 40V Under
Power		12VDC out	1 x 12V DC OUT(Green)
Power PoE Output Support PoE (15W), PoE+ (30W), Extra PoE up to 60W DC Output DC12V / 2A Mechanical Dimension 132(L) x 83(W) x 28(H)mm Weight 198g Operating Temp -20 ~ 60°C Storage Temp -30 ~ 80°C Relative Humidity 10% ~ 90% Compliance Certification FCC, CE, KC Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	Encryption		128-bit AES
Description	Power	Input	B-Linx or DC12V~ 57V
Mechanical Dimension 132(L) x 83(W) x 28(H)mm Weight 198g Environment Storage Temp -20 ~ 60°C Storage Temp -30 ~ 80°C Relative Humidity 10% ~ 90% Compliance Certification FCC, CE, KC Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)		PoE Output	
Mechanical Weight 198g Environment Operating Temp -20 ~ 60°C Storage Temp -30 ~ 80°C Relative Humidity 10% ~ 90% Compliance Certification FCC, CE, KC Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)		DC Output	DC12V/2A
Weight 198g Operating Temp -20 ~ 60°C Storage Temp -30 ~ 80°C Relative Humidity 10% ~ 90% Compliance Certification FCC, CE, KC Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	Mechanical	Dimension	132(L) x 83(W) x 28(H)mm
Environment Storage Temp -30 ~ 80°C Relative Humidity 10% ~ 90% Compliance Compliance Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)		Weight	198g
Relative Humidity 10% ~ 90% Compliance Compliance IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	Environment	Operating Temp	-20 ~ 60°C
Compliance Certification FCC, CE, KC Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)		Storage Temp	-30 ~ 80°C
Compliance Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)		Relative Humidity	10% ~ 90%
Surge Protection IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	Compliance	Certification	FCC, CE, KC
Optional Accessories 56VDC / 1.2A External Power Supply		Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)
	Optional Accessories		56VDC / 1.2A External Power Supply

▲ Performance chart



▲ Connection Diagram



- Transmission distance may vary depending on the type and quality of cable, use of power and environmental condition.
- Distance is based on RG-6 coax cable and 7 Watt IP Camera.

