EOC-101-P
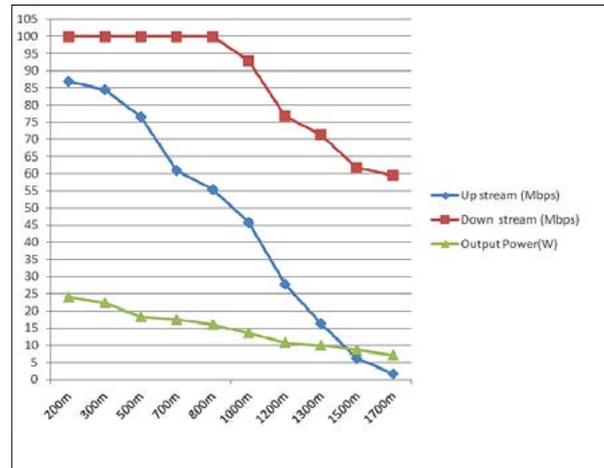
**Ethernet Extender with
Power Feeding (Coaxial Cable)**

Features

- Long transmission distance up to 1500 meters (Max.)
- Remote power feeding
- Simultaneous transmission of power and Ethernet data over coaxial cable
- High transmission bandwidth, support HD IP Camera 1080P/30fps
- High power transmission for long distance: 12W (DC12V /1A) @1000 Meters (EOC-101L-P)
- Complies with standard IEEE802.3 and IEEE802.3u

Output Power and Bandwidth Efficiency (Based on RG-6)

Coaxial Cable Distance vs Speed and Power Feeding

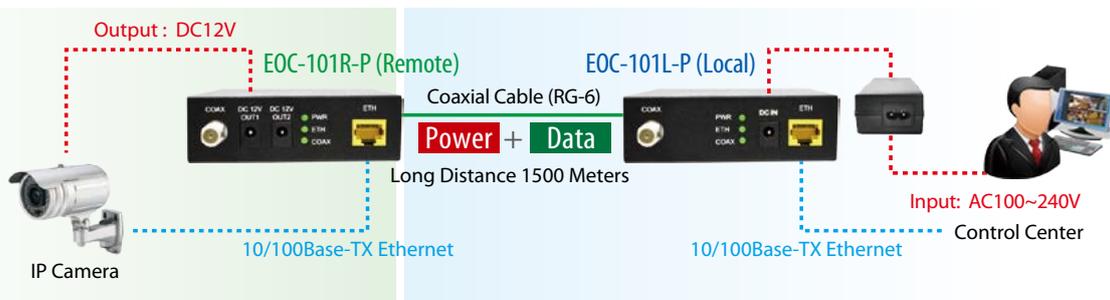| Distance (meter)	300	500	700	1000	1200	1500
Up stream (Mbps)	76	69	55	41	25	5
Down stream (Mbps)	90	90	90	82	69	55
Output Power (W)	18	16	15	12	95	75

Specifications

Standards	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX
	IEEE802.3x Flow Control for Ethernet
Transmission Medium	Coaxial Cable (RG-6 Drop cable)
Remote Site Power Output	2x DC 12V output, total 1A/12W @ 1000meters coaxial cable
LED	Power (Green) — On: power on / Off : Power Off
	ETH LNK/ACT (Green) — On: Ethernet Port Link / Flash : Data TX / RX
	Coax LNK/ACT (Green) — On: Coaxial link / Fast Flash : Data TX/RX / Slow Flash : Standby for connection
Power Consumption	32.2W (12W Power feeding for IP Camera + EOC-101L-P + EOC-101R-P) @1000meter coaxial cable
Power Input	1x DC jack for power adapter (AC100~240V, 50/60Hz)

Power Adapter	Input AC100~ 240AC (50/60Hz) Output 63VDC , 0.8A	
Connectors	Remote	RJ-45x1, F-Type BNCx1, DC jack 12V output x2
	Local	RJ-45x1, F-Type BNCx1, DC jack 48V input x1
Dimensions	Remote	123.6 x 95 x 30mm (D x W x H)
	Local	123.6 x 95 x 30mm (D x W x H)
Operation Temperature	0 ~50℃	
Weight	Total Net : 640g	
Humidity	10% ~ 90% RH, non-condensing	
Protection	Over current, Overvoltage Protection	
Certification	CE / FCC Part 15 class B	
EMS protection	EN61000-4-5 Surge level 3 Criteria B for coaxial cable , Ethernet and Power	

Application

Output : DC12V

EOC-101R-P (Remote)   EOC-101L-P (Local)

Coaxial Cable (RG-6)

Power + Data

Long Distance 1500 Meters

Input: AC100~240V

Control Center

IP Camera

10/100Base-TX Ethernet   10/100Base-TX Ethernet

Ordering Information

Model Name	Description
EOC-101-P	Remote Power Feeding Ethernet Extender over Coaxial Cable (Remote, Local)

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.