ET8100CP-R8/ET16100CP-R16

Receiver of 8/16-port Coax to 8/16-port 10/100Base-TX Ethernet over Coax Extender with PoC

EtherXtra™

ET8100CP-R8
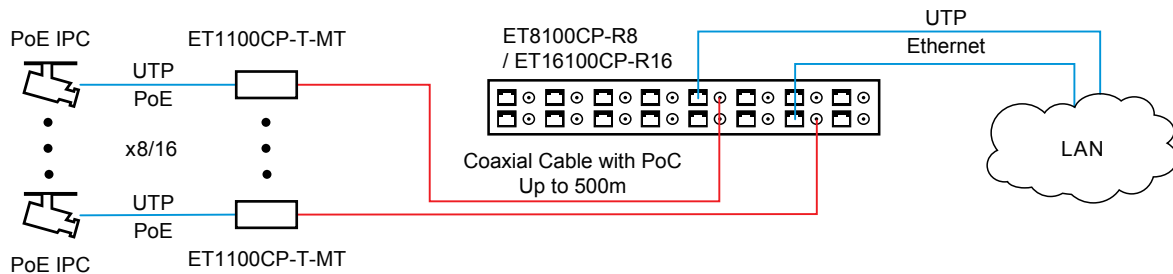
ET16100CP-R16

Features

- ► Connecting up to 8/16 x ET1100CP-T and IP cameras
- ► Ethernet Extension: Security Link over Coax
- ► 10/100Mbps Full-duplex communication
- ► Power over coaxial (max. 20W per port)
- ► Constant Data rate: 36Mbps/21Mbps (Downlink), 11Mbps/3Mbps (Uplink)
- ► Maximum distance: 500m over Coax (RG-59/U)
- ► Dip Switch for selecting distance 500m/300m
- ► Support Auto MDI/MDI-X function
- ► 100-240VAC power input
- ► 19" 1U Rack-mount
- ► 0ºC to 50ºC (32ºF to 122ºF) operating temperature

Warranty

- ► 5-Year Warranty

Typical Application

PoE IPC

ET1100CP-T-MT

UTP
PoE

x8/16

UTP
PoE

PoE IPC

ET1100CP-T-MT

ET8100CP-R8
/ ET16100CP-R16

Coaxial Cable with PoC
Up to 500m

UTP
Ethernet

LAN

Specifications

Ethernet

Standards	IEEE802.3 10Base-T	
	IEEE802.3u 100Base-TX	
Cabling	Cat5 or above	
Maximum Distance		
Ethernet Cable	100 m	
Connector	8[#1] / 16[#2] × RJ-45	

Coaxial

Cabling	Coaxial Cable (75 ohm)	
Connector	8[#1] / 16[#2] × BNC (female)	
Transmissions Distance	Up to 300m/500m on RG-59/U (Switch selectable)	
Data Rate	< 300m	< 500m
Downlink (TX to RX)	36Mbps (Fixed)	21Mbps (Fixed)
Uplink (RX to TX)	11Mbps (Fixed)	3Mbps (Fixed)
Technology	SLOC (Security Link over Coax)	

Electrical and Mechanical

Input Power	100-240VAC, 50/60Hz

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Specifications

Power Consumption	
ET8100CP-R8	25W max. (PoC not in use)
	200W max. (with PoC)
ET16100CP-R16	50W max. (PoC not in use)
	400W max. (with PoC)
LED Indicators	
PWR	Power Status
Ethernet (Per Port)	SPD, LINK/ACT
Coax Data (Per Port)	LINK, ACT, PoC
Dimensions (W x D x H)	483 × 290 × 44 mm (1RU)
Weight	2$^{\#1}$ / 4.5$^{\#2}$ Kg
Casing	Aluminum case
Mounting	Rack Mount

Environmental

Operation Temperature	0˚C to 50˚C (32˚F to 122˚F)
Storage Temperature	-20˚C to 75˚C (-4˚F to 167˚F)
Relative Humidity	5% to 90% non-condensing
MTBF	> 100,000 hrs

Regulatory Approvals

ISO9001

FCC Part 15 Class A

EN55022 Class A

Surge Protection

RJ45: 1KV

BNC: 2KV

Power: 500V

#1 ET8100CP-R8

#2 ET16100CP-R16

Ordering Information

Available Model	Description
ET8100CP-R8	Receiver of 8-port Coax to 8-port 10/100Base-TX Ethernet over Coax Extender with PoC
ET16100CP-R16	Receiver of 16-port Coax to 16-port 10/100Base-TX Ethernet over Coax Extender with PoC

Package Checklist	
■ Receiver of Ethernet over Coax Extender with PoC	x 1
■ Hardware installation guide(printed) or QIG	x 1

Ethernet Extension

EoC with Power (SLOC)