

HARDENED 2-PORT ETHERNET TO COAX MEDIA CONVERTER
WITH 1-PORT 10/100BASE-TX PoE+ AND 1-PORT COAX DATA

MEDIA CONVERTERS

FEATURES

- Ethernet Extension: Security Link over Coax
- PoE+ (30W) and Power over Coaxial
- 802.3af/802.3at Compliant
- Max. Distance: 1Km over Coax (RG-59/U)
- Data Rate up to: 90Mbps (Downlink), 90Mbps (Uplink)
- Compatible with 4-port standalone Receiver & Rack Mount 8/16-port Receiver
- Accept 48~57VDC external power input or PoE power input from RJ45 port

DESCRIPTION

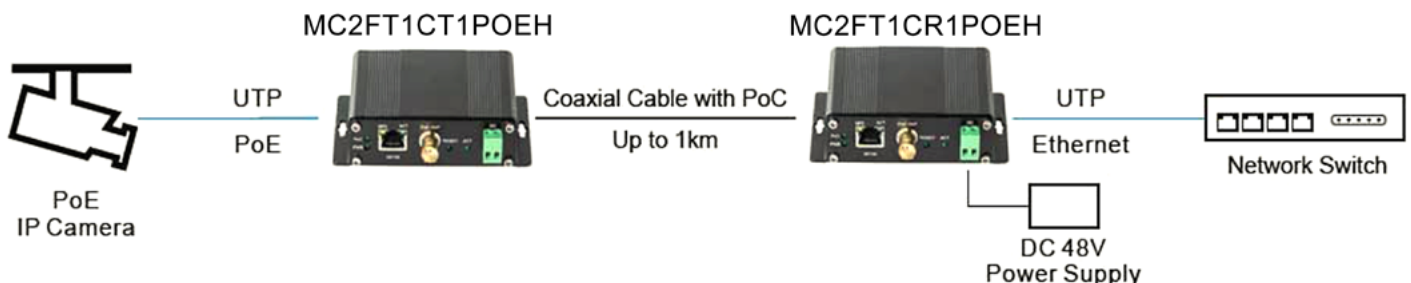
The MC2FT1CT1POEH and MC2FT1CR1POEH Series products provide Ethernet Extension of 1 ch. 10/100Base-TX over Coaxial cable (1Km max.).

The products provide high power PoE (30W max Power Sourcing Equipment (PSE)) to the network camera.

The products support PoC, hence, no power point is required for the transmitter and the network camera at the transmitter side. The product is good for retrofit of analog system by using the existing cable infrastructure.

MARKETS

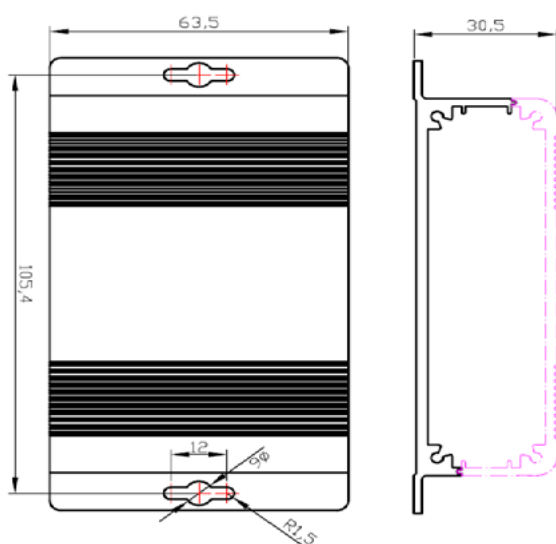
- * Highway monitoring/communication systems
- * City intelligent transportation systems
- * Rail transportation monitoring/communication systems
- * Large-scale industrial communication systems



SPECIFICATIONS

Physical Ports	
10/100Base-TX Ports in RJ45	1
BNC (Female)	1
Technology	
Ethernet Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3af Power Over Ethernet IEEE802.3at Power Over Ethernet
Cabling	Ethernet: 10Base-T: Cat 3,4,5, or above 100Base-TX: Cat5 or above Coaxial: Coaxial Cable (75 ohm)
Maximum Distance	Ethernet: Cat5 UTP up to 100m Coaxial: Up to 1Km on RG-59/U
Data Rate per channel	90Mbps Max., 40Mbps @ max. distance (Downlink) 90Mbps Max., 10Mbps @ max. distance (Uplink)
Communication Type	Power Line Communication (PLC)
PoE	
Standard	IEEE802.3af
Mode	B Mode
Port	RJ45
Max. Power per Port	25.5W max. at RX (Powered Device) 30W Max. at TX (Power Sourcing Equipment)
Pinout	Positive(VCC+): RJ45 Pin 4,5 Negative(VCC-):RJ45 Pin 7,8

LED indicators	
Power	Power Status
Coax	LINK (Transmitter) / Ready (Receiver) / PoC (Receiver), Activity
Ethernet	SPD, LINK/ACT, PoE(Transmitter)
Power	
Input Voltage	48-57VDC
Max. Power Consumption	8W w/o PoC 60W w/PoC
Power connector	2-pin, plug-in terminal block
Reverse Connect Protection	Yes
Physical Characteristic	
Enclosure	Aluminum case
Dimension (W x D x H)	114(W)x82(D)x31(H) mm (4.49 x 3.23 x 1.22 inch)
Weight (g)	250 g (0.55 lb)
Environmental	
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Operating Temperature	-10°C to 60°C (14°F to 140°F)
Operating Humidity	5% to 95% Non-condensing
Quality and Regulatory approvals	
EMI	FCC Part 15 Class A , EN55022 Class A
MTBF	> 100,000 hrs
Quality	ISO9001
Surge Protection	RJ45: 1KV BNC: 2KV Power: 500V



Ordering Information	
Description	MC2FT1CT1POEH - 10/100Base-TX (PoE+) Ethernet Over Coaxial with PoC, Transmitter MC2FT1CR1POEH - 10/100Base-TX (PoE+) Ethernet Over Coaxial with PoC, Receiver

Packing List	
Media Converter	1