

HARDENED 5-PORT COAX TO ETHERNET MEDIA CONVERTER (RECEIVER)

WITH 4-PORT 10/100BASE-TX OVER COAX AND 1-PORT 10/100/1000BASE-TX PoE+



MEDIA CONVERTERS

FEATURES

- Ethernet Extension: Security Link over Coax
- Connecting up to 4 x MC2FT1CT1POEH and IP Cameras
- 1000Mbps Full-duplex communication
- Power over Coaxial
- Data Rate up to: 90Mbps (Downlink), 90Mbps (Uplink)
- Max. Distance: 800m over Coax (RG59/U)
- Auto MDI/MDI-X for reliable detection and correction for straight-through and crossover cables
- External 48~57VDC power input
- Wall mount installation

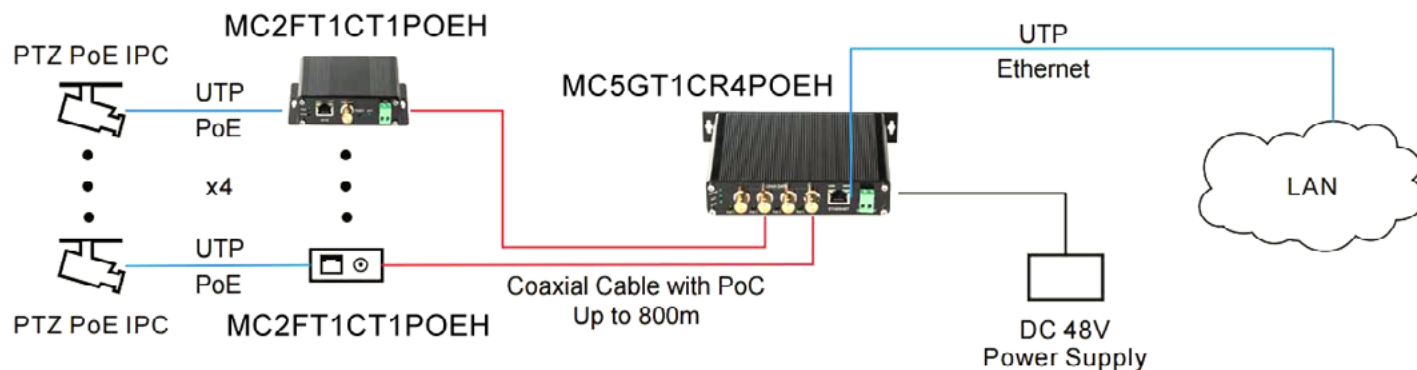
DESCRIPTION

The MC5GT1CR4POEH Series (receiver) works with the MC2FT1CT1POEH (transmitter) to provide Ethernet Extension of 4 channel 10/100Base-TX over Coaxial cable to 1-port 10/100/1000Mbps Ethernet.

The maximum coaxial cable distance is 800m. The product supports PoC, hence, no power point is required for the transmitter side and the connected IP camera if the camera supports Power over Ethernet (PoE). The product is good for retrofit of analog system by using the existing cable infrastructure.

MARKETS

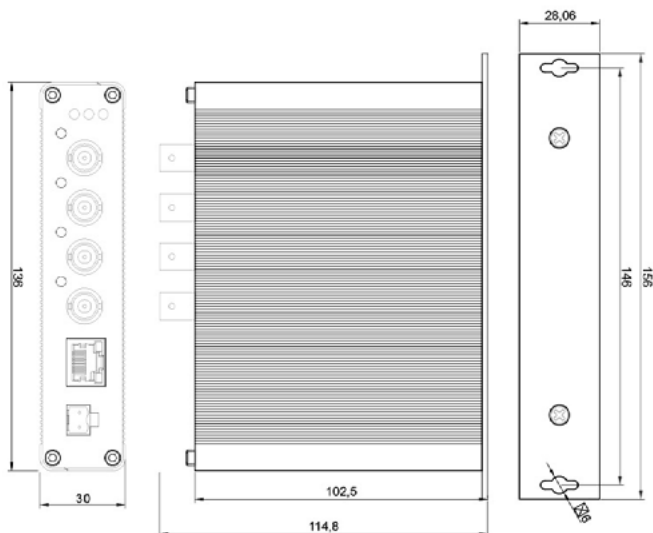
- * Highway monitoring/communication systems
- * City intelligent transportation systems
- * Rail transportation monitoring/communication systems
- * Large-scale industrial communication systems



SPECIFICATIONS

Physical Ports	
10/100/1000Base-TX Ports in RJ45 Auto MDI/MDIX	1
BNC (Female)	4
Technology	
Ethernet Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T
Cabling	Ethernet 100Base-TX: Cat5 or above Coaxial: Coaxial Cable (75 ohm)
Maximum Distance	Ethernet: Cat5UTP up to 100m Coaxial: 800 m
Data Rate per channel	90Mbps Max., 40Mbps @ max. distance (Downlink) 90Mbps Max., 10Mbps @ max. distance (Uplink)
Communication Type	Power Line Communication (PLC)
Input Power	48-57VDC
Power Consumption	10W Max. w/o PoC 250W Max. w/PoC
LED indicators	
Power	Power Status
Coax	Ready / PoC, Activity
Ethernet	SPD, LINK/ACT, PoE

Power	
Input Voltage	48-57VDC
Max. Power Consumption	10W w/o PoC 250W w/PoC
Power connector	2-pin, plug-in terminal block
Overload Protection	Yes
Reverse Connect Protection	Yes
Physical Characteristic	
Enclosure	Aluminum case
Dimension (W x D x H)	156(W)x115(D)x31(H) mm (6.14 x 4.53 x 1.22 inch)
Weight (g)	500 g (1.1 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		Packing List	
Description	MC5GT1CR4POEH - Hardened 5-port Coax to Ethernet Media Converter (Receiver) with 4-port Coaxial and 1-port 10/100/1000Base-TX PoE+	MC5GT1CR4POEH	1