

UCA-6120 Intelligent Ethernet Coax Adapter

- 100 Mbit wire speed Ethernet over Coax
- Low latency, protocol transparent power passing switch facility
- Rugged housing, high MTBF
- Long cable length (up to 350 m /1150 ft)
- Low power consumption (2.5 W)



Overview

Ethernet over Coax is a unique, non-modem solution, designed for the delivery of full duplex, synchronous high speed data over existing coaxial cables. For customers who want to upgrade their existing analogue CCTV camera installation to IP based solutions, the UCA series of Ethernet over Coax adapters from Technetix Group is the most effective solution.

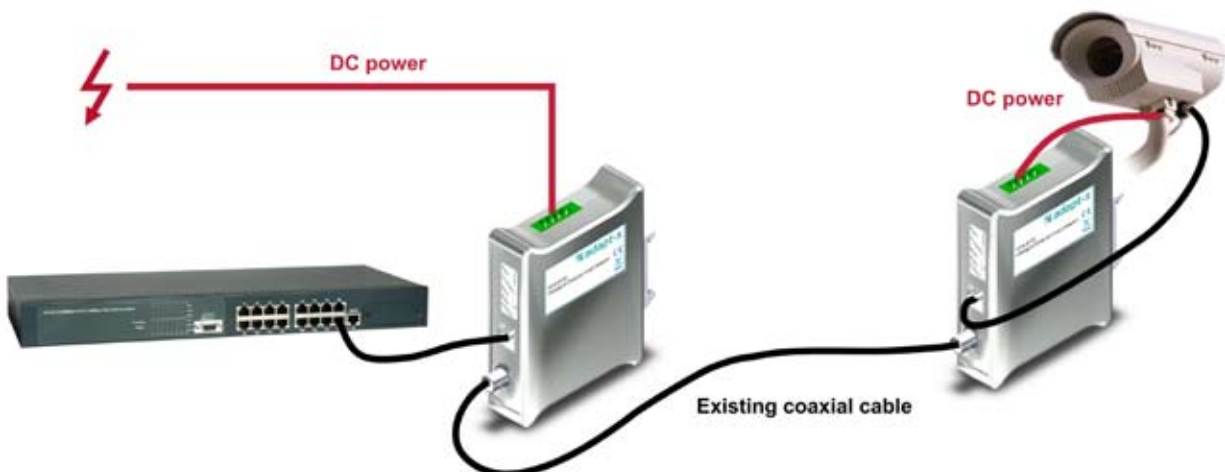
With a very easy, plug and play installation taking approximately 5 minutes per camera location, a fast network roll-out is possible with minimal disruption. The solution has full protocol transparency making it future proof. Depending on installed coaxial cable type distances of 350 metres are possible.

Data & Remote Powering

cXcomm-100 is the technology name, used in Adapt-X products. It is a revolutionary technology that provides both 100BaseT full wire speed Ethernet and power over the same coaxial cable. This is done by first converting both sending and receiving symmetrical Ethernet signals into asymmetrical

signals and then combining them to be transported over a single strand of copper. To compensate for the loss that occurs during conversion and combining, the system re-amplifies the receiving signal. The technology enables you to connect and power an IP camera over the existing coaxial cable.

Application



Specifications

Technology

Standards : 802.3 , 802.3u , 802.3x

Interface

RJ45 port: Ethernet 10/100Base T
BNC port: cXcomm-100 coaxial cable connection
Screw terminal : Power connector

LED Indicators

LED1 Power	Indicated device power present		
LED2 Speed	Indicates speed	ON: 100Mbit	OFF: 10 Mbit
LED3 Duplex	Duplex status	ON: Full	OFF: half
LED4 Link/act	Link status RJ45	ON: link active	OFF : no link, BLINKING : traffic
LED5 Link/act	Link status coax	ON: link active	OFF : no link, BLINKING : traffic

DIP Switch

DP1	Enable/ disable auto negation
DP2	Ethernet duplex mode selection
DP3	Ethernet speed setting
DP4	cXcomm-100 speed setting
DP5	cXcomm-100 duplex mode selection
DP6	Enable/disable cXcomm-100 detection
DP7	Enable/disable LED indicators
DP8	Reserved

Coaxial Link Distance

RG59	250 metres
Coax-6	350 metres

Power

Input	14-60 VDC
Consumption	(@24V) 2,5 W
Connection	Removable 4-contact terminal block

All specifications are subject to modification without notice

Ordering Information

Adapter & Sets

UCA-6120	Intelligent Ethernet Coax Adapter
UCA-6120/SD	Set of 2 pcs. UCA-6120, DIN - rail power supply, 2 pcs. CAT5E patch cable 1,5m
UCA-6120/ST-UK	Set of 2 pcs. UCA-6120, table top power supply, UK plug, 2 pcs. CAT5E patch cable 1,5m
UCA-6120/ST-EU	Set of 2 pcs. UCA-6120, table top power supply, EU plug, 2 pcs. CAT5E patch cable 1,5m