

**Fiber Optic and Ethernet  
Network Solutions**

**COPPER LINE<sup>TM</sup>**  
**Ethernet over Copper  
Transmission Extenders**

Ethernet Transmission over Existing Coaxial or UTP Cable



# Ethernet over Copper

CopperLine is an advanced and unique technology that extends Ethernet networks beyond the 100 meter limitation encountered when using COAX or UTP for IP Video and Ethernet-based applications. CopperLine is a cost-saving alternative that enables you to use existing COAX and UTP cables for significantly greater Ethernet transmission distances.

## CopperLine Features

- Extends Ethernet Networks beyond 100m limitation for CCTV and IT projects
- Cost-effective
- Extends standard Ethernet - 10BaseT up to 3,000 feet (914m) and 100BaseT up to 2,100 feet (640m) over UTP
- Extends standard Ethernet - 10BaseT up to 5,000 feet (1524m) and 100BaseT up to 1,800 feet (548m) over Coax
- Switch selectable LAN rate - optimizes the best possible rate/distance design for each application
- High data rate - ideal for high bandwidth requirements of Mega-pixel cameras or multiple IP cameras
- Small footprint - fits inside most camera housings
- Compatible with any LAN device - fully transparent to Ethernet networks and higher layer protocols
- Easy to install - no IP address programming or other networking setup required
- LED Indicators - provide link status and data rate
- Very low power - can share power supply with camera
- Supports one or four pairs of UTP wires
- Lifetime Warranty
- Designed and made in the USA - uses a unique state-of-the-art data transmission technology

## Ethernet Products



### Copperline Ethernet over Unshielded Twisted Pair (UTP)

Model	Ports	Function
<b>CLFE1UTP</b>	1	Single channel Ethernet over UTP with Pass-through PoE
<b>CLFE4UTP</b>	4	Four channel Ethernet over UTP with Pass-through PoE
<b>CLFE8UTP</b>	8	Eight channel Ethernet over UTP with Pass-through PoE
<b>CLFE16UTP</b>	16	Sixteen channel Ethernet over UTP with Pass-through PoE



### Copperline Ethernet over Coaxial Cable

Model	Ports	Function
<b>CLFE1COAX</b>	1	Single channel Ethernet over COAX with Pass-through PoE
<b>CLFE4COAX</b>	4	Four channel Ethernet over COAX with Pass-through PoE
<b>CLFE8COAX</b>	8	Eight channel Ethernet over COAX with Pass-through PoE
<b>CLFE16COAX</b>	16	Sixteen channel Ethernet over COAX with Pass-through PoE

### CopperLine Extender Ethernet Switch

- Four-Port 10/100TX Aggregation Switch with Single COAX or UTP Output Port



**CLFE4US1TPC** 4in/1out 4-Port Switch with extended uplink over coax/UTP

### Copperline High-Power Mid-Span Injector



<b>CLFE8IPS</b>	8	8-Port, High Power POE Midspan Injector, 37W Per Port
<b>CLFE16IPS</b>	16	16-Port, High Power POE Midspan Injector, 37W Per Port



### Copperline Accessories

**CLSETUP** POE Setup Tool

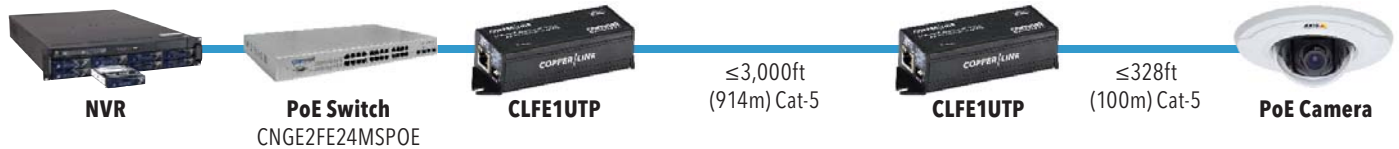
AGENCY COMPLIANCE



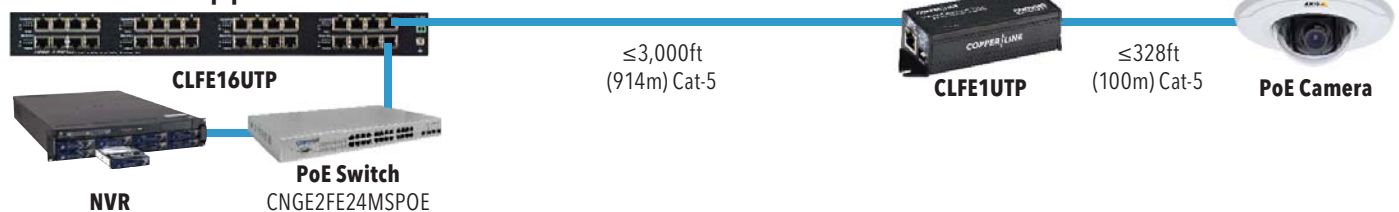
# Choose **COPPERLINE™**:

- Longest Available Transmission Distances
- Fixed Data at Maximum Specified Distance
- Consumes Less than 1 Watt per Port
- All UTP Models Support Pass-Through PoE
- All COAX Models Provide PoE Support
- Price and Performance - CopperLine

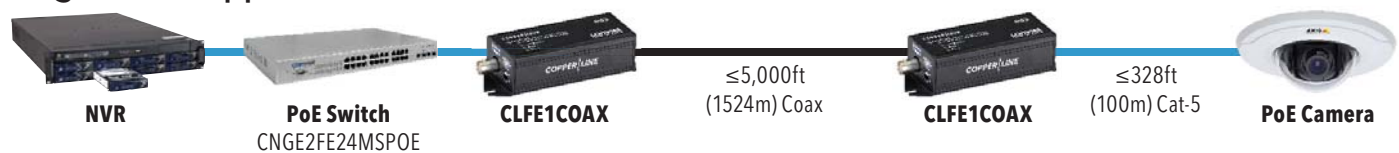
## Single Port CopperLine over UTP



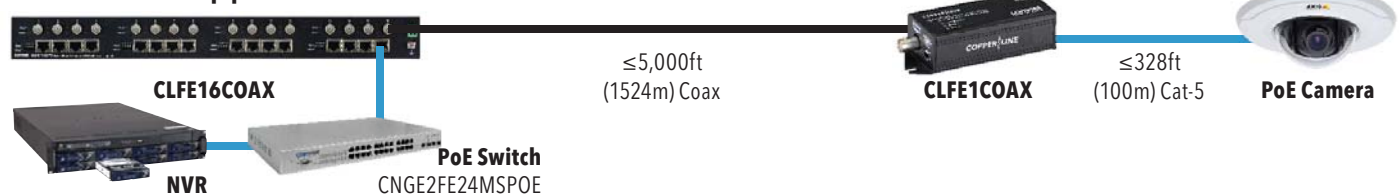
## Multi Port CopperLine over UTP



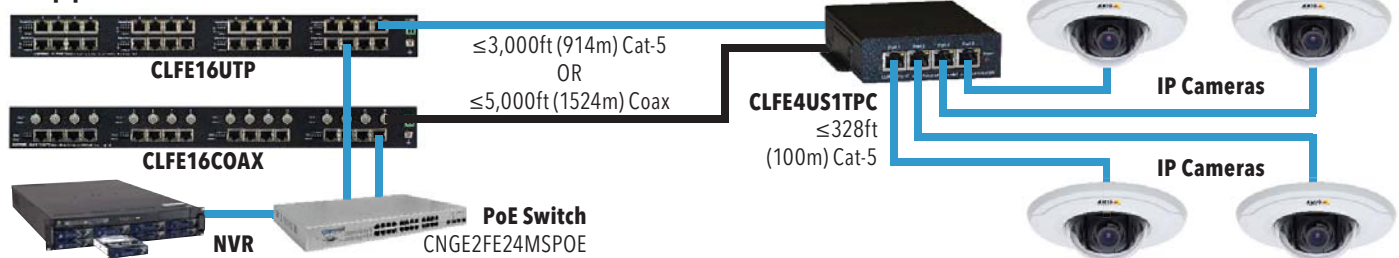
## Single Port CopperLine over Coax



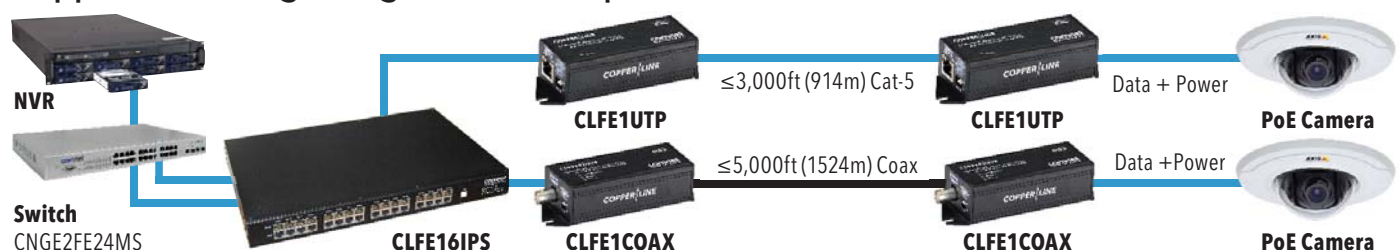
## Multi Port CopperLine over Coax



## CopperLine 4-Port Switch Extended over UTP or Coax



## CopperLine Managed High Power Midspan



### Fiber Optic Video, Audio and Data Transmission Products

ComNet offers a comprehensive selection of transmission products that support single and multiple channel video and video with data, as well as serial data and audio.

ComNet products meet the specific requirements for Access Control, Intrusion, Burglar and Fire Alarm, CCTV Surveillance/ Incident Detection, and the Intelligent Transportation Systems (ITS) market.

ComNet also manufactures a complete line of in-dome video with data and Ethernet fiber optic transmission modules for many of today's leading CCTV manufacturers.

### Technical Support

The ComNet Technical Support and Design Center provides pre-sale and post-sale support for Ethernet transmission network and fiber optic system design. The department is staffed by some of the most highly experienced, regarded and recognized experts in the industry.

Direct Design Center: **1 888 678-9427**

US: **1 203 796-5300**

Europe: **+44 (0)113 307 6409**

Ask for the Design Center when you call, or Email us at [designcenter@comnet.net](mailto:designcenter@comnet.net)



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