

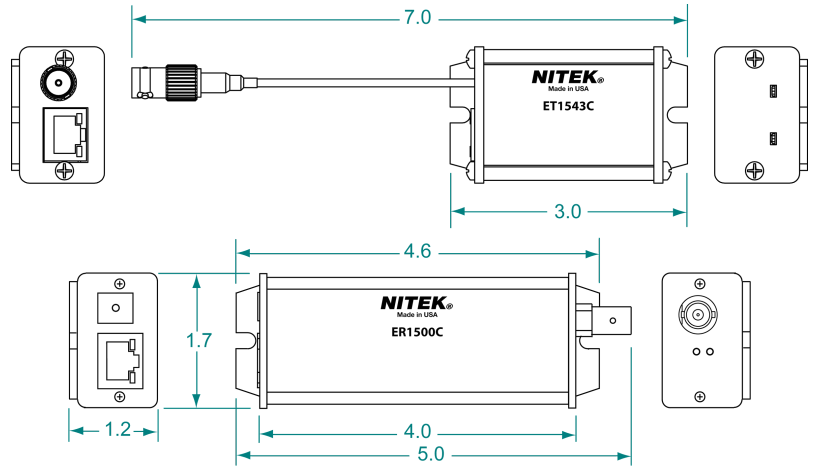


# EL1500C

IP over Coax. Set includes: ET1543C Mini Transmitter and ER1500C Receiver.

The EL1500C is a transmitter/receiver set consisting of the ER1500C and the ET1543C. These environmentally hardened products provide 10/100 Ethernet and Power Over Ethernet (PoE) at distances of up to 500m over RG-59 or RG-6 coaxial cabling.

At the head end, the ER1500C will connect to the LAN switch for data and request IEEE802.3af/at PoE power. For non-PoE switches, power can be injected at the head end with an optional PS48 power supply. At the far end, the coax will terminate at the ET1543C which will provide 10/100 Ethernet connectivity and available power at that distance.



## PRODUCT FEATURES

- Includes Transmitter and Receiver
- Extends 10/100 Mbps Full Duplex Ethernet & PoE up to 500 meters over coax
- Supports any IP network device & 4K cameras
- Supports IEEE802.3at (25.5W) and IEEE802.3af (15.4W)
- Fully transparent to the network, no MAC or IP addressing required
- LED indicators for power, network rate, link status and PoE output
- Optional power supply can insert PoE power for non-PoE switches
- Short circuit, over-current and over-voltage protection
- Ground loop isolation
- Easy to set up and install
- Limited Lifetime Warranty
- Designed, tested, manufactured and supported in the U.S.A.

## TECHNICAL SPECIFICATIONS

### Max Operating Distance (each device)

Network Port: 100m

Link Port: 500m

### Power

Requirements: 802.3at/af switch or optional PS48 power supply

Power Output: Meets IEEE802.3af/at

PoE Source: PoE from local PSE or optional power supply

### LED Connectivity Indicators

Indicators: for power, network rate, link status and PoE output

### System Latency

System Latency: <1ms over 500m RG-59

### Mechanical Dimensions (L x W x H)

ER1500C: 127mm x 43mm x 30mm / 5.0" x 1.7" x 1.2"

ET1543C: 76mm (178mm) x 43mm x 30mm / 3.0" (7") x 1.7" x 1.2"

### Shipping Dimensions (L x W x H)

Package: 198mm x 127mm x 1.04mm / 7.8" x 5" x 2.3"

Weight: 0.90kg / 2lbs

### Environmental / Temperature

Operating: -40°C to 75°C / -40°F to 167°F

Storage: -40°C to 75°C / -40°F to 167°F

Humidity: Up to 90% non-condensing

Mean Time Between Failure: >100,000 Hours

### Connectors

ER1500C: Network Port: RJ45 Connector

Link Port: BNC Coax Jack

ET1543C: Network Port: RJ45 Connector

Link Port: BNC Coax Jack on mini cable

### Rating / Listing

UL: IEC/UL 60950-1

NEMA TS-2: Temperature & Humidity NEMA 2.2.7

Mechanical Vibration NEMA 2.2.8

Mechanical Shock NEMA 2.2.9

Operating Voltage NEMA 2.1.2

Operating Frequency NEMA 2.1.8

Transient Test NEMA 2.1.6 thru 2.1.8



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