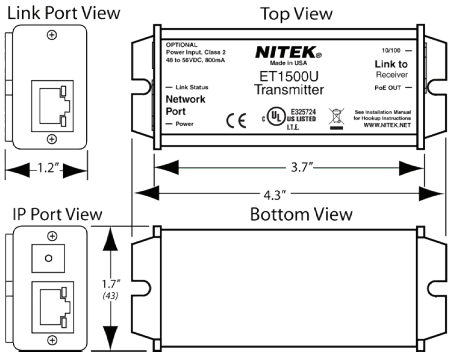
NITEK®
MADE IN THE U.S.A.

# EL1500U
Technical Data Sheet

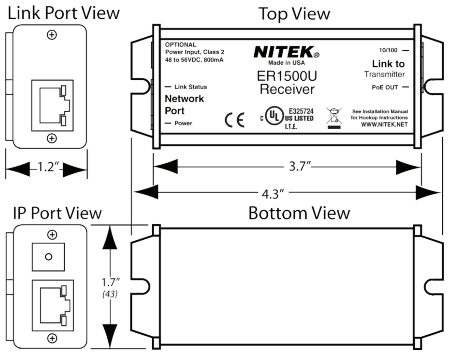
## IP over UTP. Set Includes: Transmitter and Receiver

The EL1500U is another component of NITEK's cutting-edge EtherStretch line. This Environmentally Hardened EtherStretch solution allows for the utilization of existing cable infrastructure (coax or UTP) to transmit data from IP cameras and other network devices along with POE & POE+) to operate these networked devices over the given wire media. The EL1500U is a system consisting of a transmitter and a receiver unit that require very little installation time and absolutely no setup or configuration. The system can quickly turn any ordinary CAT5e or CAT6 cable into a high-speed network communication and POE pathway.

The EL1500U is transparent to the network thus requiring no IP and or MAC address. Simply connect your network devices to the networking ports of the transmitter and receiver along with the existing cabling and the system begins communicating. LED indicators show the status and speed of network communications and POE power. NITEK'S EtherStretch EL1500U extends network communications to overcome standard IP cable distance limitations offering connectivity in locations traditional networking doesn't. The units are constructed of industrial-grade resistant finish making them very durable.




NITEK Model: ET1500U




NITEK Model: ER1500U

## PRODUCT FEATURES

- Media Converter Set (includes Transmitter and Receiver)
- IP over 4 pair UTP wire
- Extends up to 600 meters with PoE
- Supports any IP network device & 4K cameras
- Supports 10/100 and PoE over UTP (CAT 5e / CAT6) cables, Full Duplex
- Supports IEEE802.3at (29.2W) and IEEE802.3af (15.4w)
- Fully transparent to the network. No MAC or IP addressing required
- The optional power supply can insert POE power for non-POE switches
- Short circuit, over-current, and overvoltage protection
- LED indicators for network signals, link status, and power
- Power Supply included
- Easy to set up and install
- Limited Lifetime Warranty
- Designed, tested, manufactured, and supported in the U.S.A.

## TECHNICAL SPECIFICATIONS

### Max Operating Distance
Electrical Network Port: 100 meters
Link Port: 600 meters

### Power
Requirements: 302.3af/at a switch or optional power supply
Power output: W/IEEE802.3af & IEEE802.3at standards
POE Capabilities: POE Passthrough or optical power Supply

### LED Connectivity Indicators
Indicators: Network Signals, Link Status and Power

### Mechanical Dimensions (L x W x H)
ET1500U: 40mm x 117mm x 28mm / 1.6" x 4.6" x 1.1"
ER1500U: 40mm x 117mm x 28mm / 1.6" x 4.6" x 1.1"
Mounting: (2x) 8mm / 3/8"

### Shipping Dimension (L x W x H)
Package: 178mm x 152mm x 51mm / 7" x 6" x 2"
Weight: 0.45kg / 1lbs

### 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
Network Port: RJ45 Connector
Link Port: RJ45 Connector

### Rating/Listing
UL: IEC/UL 60950-1
NEMA TS-2: Temperature & Humidity NEMA 2.2.7
Mechanical Vibration NEMA 2.2.8
Mechanical Schok NEMA 2.2.9
Operating Voltage NEMA 2.1.2
Operating Frequency NEMA 2.1.3
Transient Test NEMA 2.1.6 thru 2.1.8

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