



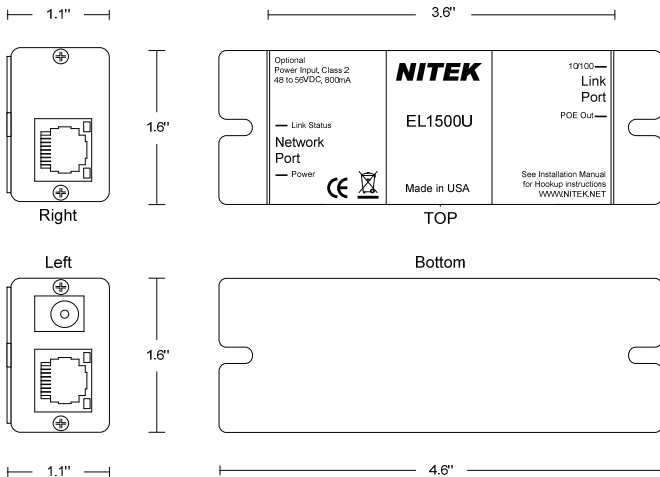
## Description

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 power (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 set up 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 addressing. 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.

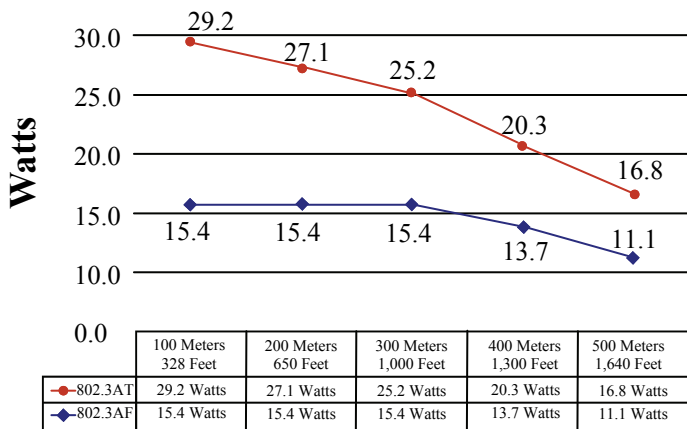
NITEK's EtherStretch EL1500U extends network communications to overcome standard IP cable distance limitations offering connectivity in locations traditional networking doesn't. The EL1500U is ideal for retrofitting existing installations. The units are constructed of industrial grade RoHS compliant plated aluminum with a corrosion resistant finish, making them very durable.



## Features

- Environmentally hardened – meets NEMA TS-1/TS-2
- Transmits up to distances of 600 meters (2000 feet)
- Supports mega-pixel technology
- Fully transparent to the network
- Supports any network device, including IP cameras
- Supports 10/100 and PoE
- Easy to install, no set up required
- No MAC or IP addressing required
- LED indicators for network signals, link status and power
- Optional power supply can insert PoE power for non-PoE switches
- Surge protected inputs
- Ground loop isolation

## Available PoE Wattage At PoE Device



\* Results charted were calculated using four pair 24awg Cat5e cabling and power sourcing equipment using IEEE 802.3AF standard with starting voltage of 48 volts DC and IEEE 802.3AT standard with starting voltage of 54 volts DC. PoE Switches with internal power and current limits may change individual results.



IEC/UL 60950-1



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# TECHNICAL SPECIFICATION

## Network Transmission Device

Network Port	RJ45 Connector
Link Port	RJ45 Connector
Ethernet	100BASE-TX Full Duplex
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 2.1.3
	Transient Test NEMA 2.1.6 thru 2.1.8
Operating Temperature	-40° to 75° C / -40° to 167° F
Dimensions	1.1" x 1.6" x 4.6"
Shipping Weight	2 lbs

## Several Common Installation Types

