EL1500UW

Outdoor Rated Ethernet & PoE Extender

Transmitter

Receiver

Description

The ET1500UW is another component of the NITEK cutting edge **EtherStretch** line. Our **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 power to operate these network devices over the wire for distances up to 600 meters or 2000 feet.

The **EL1500UW** is a system containing a transmitter that is housed in a NEMA 4X polycarbonate high-impact ABS molded enclosure which is ideal for use when installing the Etherstretch solution outdoors. The set also includes a receiver unit that requires very little installation time and absolutely no set up or configuration. The system can quickly turn any ordinary four pair UTP cable into a high speed network communication and PoE path for distances up to 600 meters or 2000 feet.
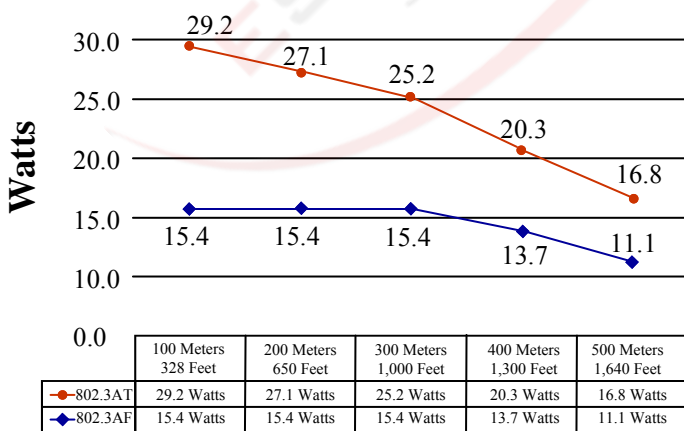
The **EL1500UW** is transparent to the network and has no IP and MAC addressing. Simply connect your network devices to the networking ports of the transmitter and receiver along with existing cabling and the system begins communicating.

LED indicators show the status of network communication and PoE power. The **EL1500UW** requires no network settings to be changed or adjusted. The **EL1500UW** is ideal for retrofitting existing installations. The units are constructed of industrial grade RoHS compliant plated aluminum which is finished with a corrosion resistant finish making it very durable.

Dimensional drawings:

- 6.732 Top (Side View), 0.591
- 4.764 Top (Inside View), 6.732
- Top (Outside View)
- 4.288 / 3.602 Bottom (Inside View), 6.260
- Bottom (Outside View), 7.125
- 1.640 Bottom (Side View), 7.125

Available PoE Wattage At PoE Device

Watts

- 29.2
- 27.1
- 25.2
- 20.3
- 16.8
- 15.4
- 15.4
- 15.4
- 13.7
- 11.1

Scale: 30.0, 25.0, 20.0, 15.0, 10.0, 0.0

	100 Meters 328 Feet	200 Meters 650 Feet	300 Meters 1,000 Feet	400 Meters 1,300 Feet	500 Meters 1,640 Feet
802.3AT	29.2 Watts	27.1 Watts	25.2 Watts	20.3 Watts	16.8 Watts
802.3AF	15.4 Watts	15.4 Watts	15.4 Watts	13.7 Watts	11.1 Watts

* 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

Features

- Transmits up to distances of 600 meters (2000 feet)
- Transmitter is fitted into a NEMA 4X rated enclosure to support outdoor applications
- Supports any network device, including mega-pixel technology IP cameras
- Fully transparent to the network
- Supports 10/100 and PoE over category rated cables
- Easy to install, no set up required
- No MAC or IP addressing required
- LED indicators for network signals, link status and power
- Surge protected inputs
- Ground loop isolation

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CE

RoHS COMPLIANT 2002/95/EC

NITEK®

TECHNICAL SPECIFICATION

Network Transmission Device

Network Port	RJ45 Connector
Link Port	RJ45 Connector
Ethernet	100BASE-TX Full Duplex
Dimensions Transmitter Enclosure Receiver	6.73" x 4.76 X 2.17 1.1" x 1.6" x 5.1" including tabs
Operating Temperature	-15° to 75° C / 0° to 167° F
Shipping Weight	5 lbs

Several Common Installation Types

PoE is introduced to the system by using a PoE injector (IP1054) in installations where the network switch in not capable of producing power over Ethernet.