

**Description**

Four models EL1500UW, ET1500UW, EL1500UWS, and ET1500UWS are part of the EtherStretch solution allowing for outdoor installation. The models listed in the Nitek catalog with a "W" are intended for outdoor applications. The "ET" models are shipped with just the NEMA Enclosure and an ET1500U EtherStretch transmitter. The "EL" models are shipped with both the ET1500U transmitter and the ER1500U receiver EtherStretch units. The "S" incorporates the IPPWR1 surge protector.

The WP1325 is a polycarbonate and high-impact ABS molded enclosures meet NEMA 4X specifications and are ideal for use when installing Nitek products outdoors. The units is equipped with a neoprene gasket to prevent Ingress of moisture and dust. The cable entries into the box are made through the UL94V-2 rated nylon hex nut cable seal which is required to maintain NEMA 4X ratings when cables enter or exit a NEMA 4 or 4X type enclosure. The WP1325 is often ordered as a "W" option with other Nitek products.

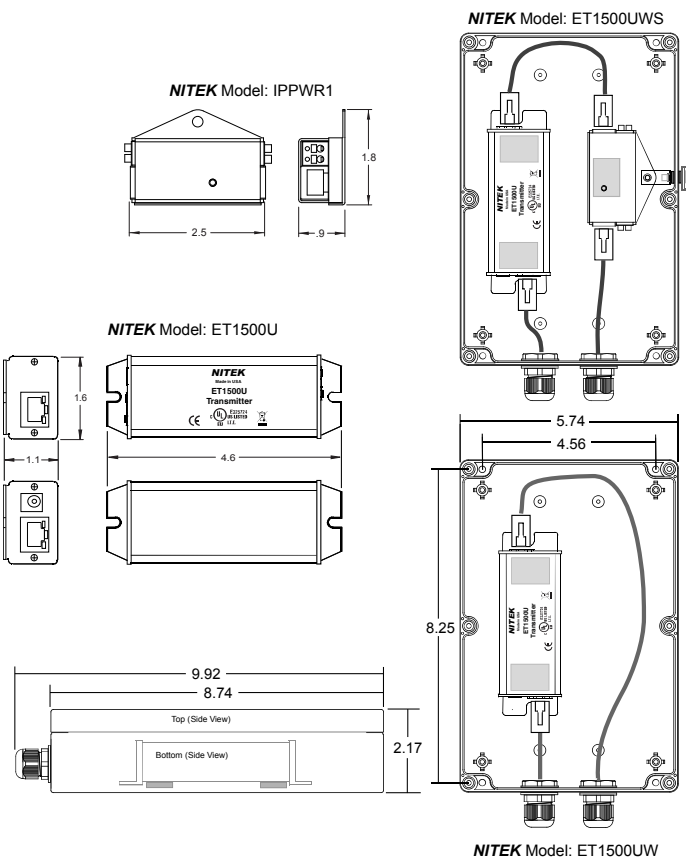
The ET1500UW contains a transmitter constructed of industrial grade RoHS compliant plated corrosion resistant aluminum finish. It works with any of the EtherStretch multi-port systems, as-well-as the single port receiver ER1500U. Our EtherStretch solution allows for the utilization of existing cable infrastructure (coax or UTP) to transmit data from IP cameras and other network devices along with power (PoE) to operate these networked devices well beyond standard network limitations. The system can extend Ethernet to over 600m or 2000ft of category cable making the ET/EL1500UW ideal for retrofitting existing installations.

The ET1500UW requires very little installation time and no set up or configuration. The ET1500UW is transparent to the network thus requiring no IP and MAC addressing. Simply connect your network devices to the networking ports of the transmitter and receiver along with existing cabling, ordinary four pair UTP cable, and the system begins communicating. LED indicators show the status of network communication and PoE power. The ET1500UW requires no network settings to be changed or adjusted.

The IPPWR1 is a single channel, in-line, 10/100/1000 Ethernet surge protector for IP cameras. In addition it provides independent protection for 12 or 24 volt power, which can be used with heaters, blowers or PTZ. The IPPWR1 has standard RJ45 jacks for easy connection and is ideal for small or restricted spaces. The IPPWR1 provides a heavy duty, single point ground connection and is easy to install in minutes.



EL1500UWS



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# Features

# Technical Specifications

## EL1500UW & ET1500UW

- Supports 10/100 and PoE over category rated cables up to distances of 600 meters (2000 feet)
- Transmitter housed in a NEMA 4X rated enclosure for outdoor applications
- Fully transparent to the network
- Supports any network device, including mega-pixel technology IP cameras
- 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
- Ground loop isolation
- UL Listed IEC/UL 60950-1
- Designed to IP 65 of IEC 529 and NEMA 1, 2, 4, 4x, 12, and 13 Specifications
- Cover attaching screws are outside the sealing area, preventing ingress of moisture and dust
- Cover screws are M-4 Stainless Steel, Non-Magnetic and Fasten into threaded Brass Inserts

### Network Transmission Device & Enclosure

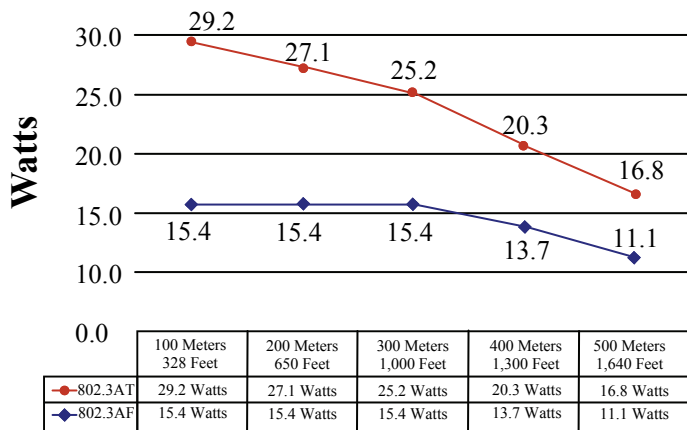
Network Port	RJ45 Connector
Link Port	RJ45 Connector
Ethernet	100BASE-TX Full Duplex
Dimensions:	
Transmitter Enclosure	4.6" x 1.6" x 1.1" including tabs 9.92" x 5.74" X 2.17"
Internal Volume:	
Enclosure	98 in <sup>3</sup>
Operating Temperature:	
ET1500U Enclosure	-15° to 75° C / 0° to 167° F -40° to 120° C / -40° to 248° F
Rating/Listing	UL94-HB, IEC/UL 60950-1, IEC 529, NEMA 1, 2, 4, 4x, 12, 13
Shipping Dimensions	10" x 6" x 3"
Shipping Weight	4 lbs

## IPPWR1 Surge Protection for use in the ET/EL1500UWS

- Heavy duty single point ground
- 1 picosecond clamping time
- Lifetime warranty
- Separate power protection for 12 or 24 VAC
- Will pass PoE+ power

Connection Network	Standard RJ45
Connection Power	Push-in terminals - rate @ 5 Amps
Clamping	
12/24VAC/DC	30 Vrms
Data/PoE+ Ethernet	58 Vp-p
Transient Response Time	1 picosecond typ.
Peak Pulse Power Dissipation	3,000 W/pair (10/100us)
Impedance	50 or 75 Ohms
Operating Temperature	-40° to 85° C / -40° to 185° F
Dimensions	2.5" x 1.8" x 0.9"
Shipping Weight	1 lb

### 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.