MODELS: EL1551UW, ET1551UW

Outdoor Rated Ethernet & PoE Extender

08232013

EL1551UW

Description

The 1551UW series of etherstretch products are components of the NITEK cutting edge **EtherStretch**™ line, designed to extend 100Mbps Ethernet communication over a single pair of communication cables up to 1500 feet (460 meters).

° ET1551UW is a Transmitter unit - only. "W" designates an ET1551U Transmitter unit with a Weatherproof NEMA 4X outdoor box.

° EL1551UW is a complete system consisting of an ET1551UW Weatherproof Transmitter and an ER1551U Receiver unit.

Transmitter and receiver units are Environmentally Hardened to meet NEMA TS-2 specifications for a broad range of applications. They are designed to operate over UTP or any 2 conductor cable and can quickly turn a pair of wires into a high speed Ethernet communication path. These systems are transparent to the network, requiring very little installation time, setup or configuration. The systems require no IP or 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.
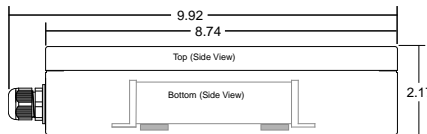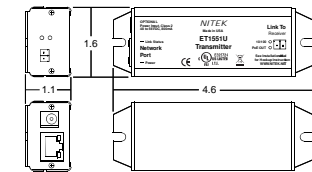
The ET1551U transmitter is enclosed in a WP1325 polycarbonate and high-impact ABS molded enclosure that meets NEMA 4X specifications and is ideal for use when installing Nitek products outdoors. The units is equipped with a neoprene gasket to prevent Ingress of moisture and dust. The cable entries into 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.

These products are ideal for upgrading an analog UTP video surveillance system to an IP system without replacing or even disturbing the cable infrastructure.
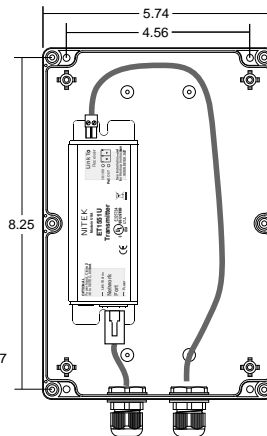
The ET1551UW transmitter is powered remotely from the receiver unit LED indicators show the status of network communication and power.

The units are constructed of industrial grade RoHS compliant plated aluminum which is finished with a corrosion resistant durable finish.

NITEK Model: ET1551U

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I.T.E.

IEC/UL 60950-1

CE

RoHS COMPLIANT 2002/95/EC

NITEK®

EL1551UW & ET1551UW

- Supports 10/100 and PoE over category rated cables up to distances of 500 meters (1600 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	Twisted Pair Connector
Ethernet	10/100 Full Duplex
UTP Cable Specifications	
DC Loop Resistance	51 Ohms/1000 feet (max) (51 Ohms/304 meters)
Normal Capacitance	17pF/ft.
Impedance	100 Ohms +/- 20%
UTP Category	2 or better
Dimensions:	
Transmitter	4.6" x 1.6" x 1.1" including tabs
Enclosure	9.92" x 5.74" X 2.17"
Internal Volume:	
Enclosure	98 in^3
Operating Temperature:	
ET1551U	-15° to 75° C / 0° to 167° F
Enclosure	-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

Common Installation Type