



## Description

The **ER1651U** is another component of NITEK's cutting edge **Etherstretch** line. Our **Etherstretch** solution allows for the utilization of existing Twisted Pair cable infrastructure to transmit data from IP cameras and other network devices. The **ER1651U** works with the new **ET1551U** transmitter, extending the Ethernet range up to 500 meters over a single pair of wires.

The **ER1651U** is a multi-port, Ethernet extender for IP video cameras and network devices. This Layer 2 Switch with a Gigabit LAN connection, operates in conjunction with up to 16 **ET1551U** transmitter units (sold separately). Using the **ER1651U** over any ordinary Twisted Pair cable for a distance of 500 meter requires no additional equipment other than the new **ET1551U** transmitter.

The **ER1651U** receiver and **ET1551U** transmitters require very little installation time & no set up or configuration. The system is completely transparent to the network with no IP or MAC addressing required. Simply connect a network device to the transmitter. LED connectivity indicators on the transmitter and receiver show the status of network communication and PoE power.

The **ER1651U Etherstretch** network extender overcomes cable distance limitations inherent in traditional networking topologies and provides an alternative to fiber or wireless transmission solutions.

## Features

- Transmits IP data up to distances of 500 meters (1,600 ft)
- Includes a built-in power source for all connected devices
- Gigabit output network connectivity
- Fully transparent to the network
- Supports any 10/100 mega-pixel network device, including IP cameras, over Twisted Pair cables
- LED indicators for network signals, link status and power
- Built-in short circuit, over current and over voltage protection
- Ground loop isolation



# TECHNICAL SPECIFICATION

## Receiver Unit

Network Output Port	1 RJ45 Connectors, 1 Gigabit
Link Port	16 Twisted Pair Wires
Ethernet	Auto Configuring 10/100 Full Duplex
LED Connectivity Indicators	Link Status, Power, PoE Out, 10Mb or 1000Mb
Power Requirements	IEC380 connector - 115-240VAC/50-60Hz/150Watt Max
Power Output	52Vdc @ 125 watts Max.
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
Operating Temperatures	-15° to 75° C / 0° to 167° F
Humidity	Up to 95% non-condensing
Mounting Dimensions	Standard rack mounting 1 RU x 9.0"D
Shipping Dimensions	18"W x 24"H x 8.5"D
Shipping Weight	11 lbs

## Common Installation Type

