ER8400U

8 Port Ethernet & PoE Extender over UTP

Description

The ER8400U 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 power to operate these networked devices over the given wire media.

The ER8400U is a multi-port, Ethernet and PoE extender for IP video cameras. This PoE switch with Gigabit LAN connection operates in conjunction with up to 8 ET1500U transmitter units (sold separately) for distances of over 600 meters / 2000 feet or can be directly connected to standard Ethernet equipment for distances of up to 100 meters. It provides up to 28 watts (802.3at level) power for powering devices. Using the ER8400U over ordinary 4 pair category cable for a distance of 600 meter requires no additional equipment other than the ET1500 transmitter and with 100Mb per channel it will easily operate even high bandwidth IP cameras.

The ER8400U is also a fully functional Layer 2 PoE+ network switch with a 802.3AT power output on each of the eight network ports and can operate any standard Ethernet device up to 100m.
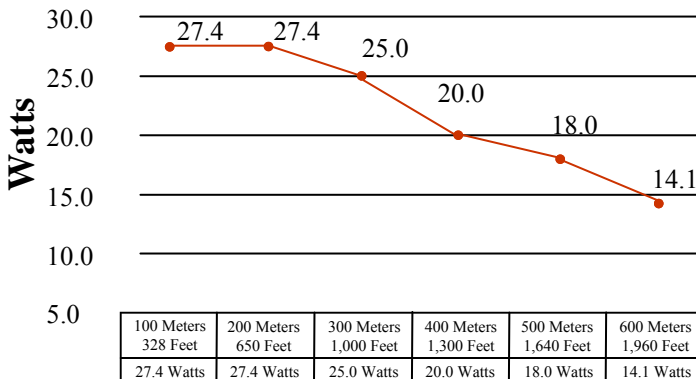
The ER8400U Ethernet extender receiver along with the ET1500U transmitter require very little installation time & absolutely no set up or configuration. The system is completely transparent to the network with no IP or MAC addressing required. Simply connect a network device to the transmitter. LED connectivity indicators on the receiver show the status of network communication and PoE power.

The ER8400U **Etherstretch** network extender overcomes cable distance limitations inherent in traditional networking topologies and is ideal for applications where the use of an equipment rack is limited or impractical.

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Features

- Transmits up to distances of 600 meters (2,000 ft)
- Wall mounted multi-channel (8) **Etherstretch** solution
- Includes a built-in power source for all connected devices
- Gigabit output network connectivity
- Supports 10/100 over UTP (CAT5e / CAT6)cables
- Fully transparent to the network
- Supports any network device, including Mega pixel IP cameras
- Remotely powers PoE+ network devices
- Easy to install, no set up required
- No MAC or IP addressing required
- LED indicators for network signals, link status and power
- Built-in short circuit, over current and over voltage protection
- Supports IEEE802.3af (15.4W) and IEEE802.3at (25.5W)
- Ground loop isolation

Available PoE Wattage At PoE Device

Watts

	100 Meters 328 Feet	200 Meters 650 Feet	300 Meters 1,000 Feet	400 Meters 1,300 Feet	500 Meters 1,640 Feet	600 Meters 1,960 Feet
	27.4 Watts	27.4 Watts	25.0 Watts	20.0 Watts	18.0 Watts	14.1 Watts

* Results charted were calculated using four pair 24awg Cat5e cabling.

c **UL** US LISTED
EU
IEC/UL 60950-1

CE

RoHS COMPLIANT 2002/95/EC

NITEK ®

TECHNICAL SPECIFICATION

Receiver Unit

LAN Port	1 RJ45 Connector @ 1 Gigabit
Link Port	8 RJ45 Connectors
Dimensions	10.6"W x 10.6"H x 4.0"D
Operating Temperatures	0° to 52° C / 32° to 125° F
Shipping Weight	12 lbs
Shipping Dimensions	12"W x 12"H x 6"D
Power Requirements	IEC380 connector - 110-240VAC/50-60Hz/320Watt Max
LED Connectivity Indicators	Link Status, Power, PoE Out, 10/100/1000Mb
Mounting	Wall mounting
Humidity	Up to 95% non-condensing
Power Output	204 watts Max.
PoE Capabilities	Compliant w/ IEEE 802.3af & IEEE 802.3at Standards

Common Installation Type

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