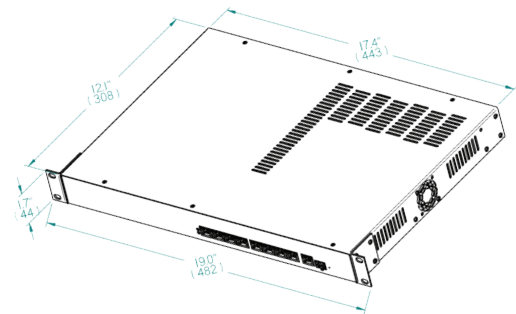


8 Channel IPs over UTP Rack Mount Receiver w/Gigabit POE+ Switch

The ER8500U is another component of NITEK's exciting EtherStretch solution, allowing for the use of standard Cat5 UTP (or better) cabling to provide power and 10/100 connectivity well past the limits of standard Ethernet. The ER8500U is a head-end receiver that will power and communicate to up to 8 remote devices over UTP runs. The ER8500U incorporates an integral power supply to power each run, and a built in Ethernet switch with Gigabit LAN connectivity. The ER8500U can be controlled and monitored over a built-in web server. The ER8500U can maintain 10/100 Ethernet links over standard UTP cabling up to 600m.

The ER8500U is a multi-port Ethernet Switch and PoE+ supply adapted for 10/100 communication over standard UTP cabling. This layer 2 switch has Gigabit LAN and SFP connections to consolidate communications. When used in conjunction with either an ET1500U or an ET4500U transmitter unit (sold separately) operating distances for 100Mb communication on each coax link can reach to 600m/1970ft. Even longer distances can be reached at 10Mb.

The ER8500U receiver provides 802.3af level power to devices at up to 300m, and greater than 802.3af power levels up to 600m (see PoE wattage chart for specifics). The ER8500U receiver and ET1500U (or ET4500U) transmitters require very little installation time and absolutely no setup/configuration. Simply connect a network device to the transmitter, and install UTP run(s) between transmitter(s) and receiver. LED connectivity indicators on the receiver show the status the communications and power. More detailed information and high-level control is available via the device's web page.



PRODUCT FEATURES

- 8 Port 100Mb Unmanaged Switch
- IP over 4 pair UTP wire
- Extends up to 600 meters with POE
- Gigabit electrical + SFP uplink port
- Supports any IP network device & 4K cameras
- Supports 10/100 and POE over UTP (CAT6) cables, full Duplex
- POE compliant
- Fully transparent to the network. No MAC or IP addressing required
- LED indicators for network signals, link status and power
- Includes a built-in power source for all connected devices
- Short circuit, over current and over voltage protection
- Ground loop isolation
- Easy to set up and install
- Limited Lifetime Warranty
- Designed, tested, manufactured, and supported in the U.S.A.

TECHNICAL SPECIFICATIONS

Max Operating Distance

LAN Ports: 100m

Link Ports: 600m

LED Connectivity Indicators

Indicators: Link Status, Power, POE Out, 10/100/100Mb

Rating/Listing

UL: IEC/UL 60950-1

NEMA TS-2: Temperature & Humidity NEMA 2.2.7

Mechanical Vibration NEMA 2.2.8

Mechanical Shock NEMA 2.1.2

Operating Frequency NEMA 2.1.3

Transient Test NEMA 2.1.6 thru 2.1.8

Mechanical Dimensions (L x W x H)

ER8200C: 1RU x 12"D / 310mm x 430mm x 40mm

Mounting: Rack mounting

Shipping Dimensions (L x W x H)

Package: 20" x 10" x 6" / 508mm x 254mm x 152mm

Weight: 3.17kg / 7lbs

Power

Requirements: IEC380 connector- 110-240VAC/50-60Hz/320Watt Max
BTU Rating: ER8200 40 BTU/h

System Latency

System Latency: <1ms over 600ft CAT5e

Environmental/Temperature

Operating: 0°C to 50°C / -32°F to 122°F

Storage: -40°C to 85°C / -40°F to 185°F

Humidity: Up to 90% non-condensing

Connectors

Network Port: 1RJ45 Connector, 1 SFP port, 1Gb each

Link Port: 8 RJ45 Connectors

REV. 02182025

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