Overview:

The AUDIO / RS232 over IP PoE Transceiver allows 2CH audio signals to be extended up to 330ft (100m) via Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is supported by connecting several Transceivers to the same local Ethernet network. The device supports PoE (PD) if used with a PoE (PSE) Ethernet Switch, and both RS232 and IR transmission for remote control of end devices. The Transceiver can be configured as a Transmitter or Receiver.
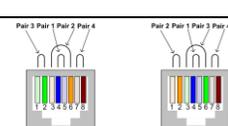
Applications:

- Commercial and residential AV systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
- Medical information systems

Key Features:

- Extend 2CH audio signals up to 330ft (100m) over Cat5e/6 cable
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports 100's of Transceivers depending on network bandwidth
- Supports RS232 and IR transmission for remote control
- 2CH Analog Audio In/Out & Digital Audio Out
- PoE powered

Specifications	
Environment	2CH Analog Audio
Devices	2CH audio equipment, amplifiers, powered speakers, PA systems, AV cameras and players.
Transmission	Transparent to the user.
Bandwidth	20Hz to 20KHz
Signals	2CH analog audio (in or out) SPDIF Out (2CH digital audio)
Connectors *Note: Cables not included.*	One (1) RCA receptacle for SPDIF out. One (1) 3.5mm jack for analog audio (in or out). One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair. One (1) 3.5mm jack for IR Emitter or IR Sensor. One (1) DB9 Serial Port for RS232. Four (4) DIP Switches for device ID addressing and Transmitter/Receiver setting.
Maximum Distance *Excluding 3.5mm cable length.*	Cat5e/6: 330ft (100m) *Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connections in the signal path reduce the effective distance depending on the grade of twisted cable used.*
Latency	30ms
Network Requirement	100BaseT for Point to Point; 1000BaseT for other configuration.
IR Frequency	38KHz to 56KHz
RJ45 Pin Configuration *Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.*	**RJ45 Link** Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)
Cable	One (1) Cat 5e/6 or better twisted pair cables required.
Power Source	This device supports PoE (PD), an external power supply is not included. It is intended to be powered via a PoE (PSE) Ethernet Switch. If required, an optional power supply (500993) may be purchased separately.
PoE Standard	IEEE 802.3af
Power Consumption	Transmitter: 2.9W Receiver: 1.8W
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	3.70" x 3.68" x 0.97" (94 x 93.5 x 24.6 mm)
Weight	1.1lbs (0.5kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500755 AUDIO / RS232 over IP PoE Extender (incl: one Transceiver) (UPC: 627699007556) 500755-2PK AUDIO / RS232 over IP PoE Extender Kit (Incl: two Transceivers) (UPC: 627699907559)
Accessories (These items are sold separately)	500905 3-Port Rackmount Transceiver Chassis 500920 16-Port Rackmount Transceiver Chassis 500917 Wall Mount Transceiver Bracket Kit 500998 IR Emitter, and 500994 IR Sensor 500993 Univ. Locking Power Supply 5VDC/2.6A US/UK/EU Blade

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Typical Application