

### 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.

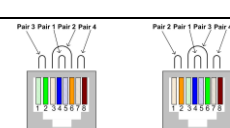


### Applications:

- 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									
<b>Environment</b>	2CH Analog Audio								
<b>Devices</b>	2CH audio equipment, amplifiers, powered speakers, PA systems, AV cameras and players.								
<b>Transmission</b>	Transparent to the user.								
<b>Bandwidth</b>	20Hz to 20KHz								
<b>Signals</b>	2CH analog audio ( in or out ) SPDIF Out (2CH digital audio)								
<b>Connectors</b>	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.								
<i>Note: Cables not included.</i>									
<b>Maximum Distance</b>	Cat5e/6: 330ft (100m)								
<i>Excluding 3.5mm cable length.</i>	<i>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.</i>								
<b>Latency</b>	30ms								
<b>Network Requirement</b>	100BaseT for Point to Point; 1000BaseT for other configuration.								
<b>IR Frequency</b>	38KHz to 56KHz								
<b>RJ45 Pin Configuration</b>	<p><b>RJ45 Link</b></p> <table border="0"> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table> <p><i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i></p>	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)
Pin 1 (R)	Pin 2 (T)								
Pin 3 (R)	Pin 6 (T)								
Pin 4 (R)	Pin 5 (T)								
Pin 7 (R)	Pin 8 (T)								
									
<b>Cable</b>	One (1) Cat 5e/6 or better twisted pair cables required.								
<b>Power Source</b>	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.								
<b>PoE Standard</b>	IEEE 802.3af								
<b>Power Consumption</b>	Transmitter: 2.9W                      Receiver: 1.8W								
<b>Temperature</b>	Operating: 0° to 40°C                      Storage: -20° to 85°C Humidity: Up to 95% non-condensing								
<b>Dimensions</b>	3.70" x 3.68" x 0.97" (94 x 93.5 x 24.6 mm)								
<b>Weight</b>	1.1lbs (0.5kg)								
<b>Compliance</b>	Regulatory: FCC, CE, RoHS                      Flammability: 94V0								
<b>Warranty</b>	2 years								
<b>Order Information</b>	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)								
<b>Accessories</b> (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								

**Typical Application**

