

**DIGITAL1ch AUDIO WITH 1ch CONTACT CLOSURE LINK**  
**PRODUCT SPECIFICATION** **EL – AR2202 TX / RX SERIES**

**SPECIFICATIONS**

**AUDIO**

Audio output: 0dBm ( 2.2V pk-pk )  
 Audio Bandwidth: 20 Hz – 20 KHz  
 Total harmonic distortion: -82dB  
 Channel crosstalk: -100 dB at 1 KHz  
 Signal-to-Noise Ratio: >87dB

**Relay**

Contact Interface: Response Time: 0.5 msec  
 Input : Dry Contact closure  
 Output : SPST Relay, 0.5A Contact rating, N.O or N.C  
 Operating Mode: Simplex

**WAVELENGTH** 1310/1550nm

**OPTICAL EMITTER** Laser Diode

**NUMBER OF FIBER** 1Core

**LED INDICATORS**

- . Audio Transmitter/ Relay Transmitter
  - .Audio level LED
  - .Transmitted Data
  - .Operating Power
- . Audio Receiver/ Relay Receiver
  - .Audio level LED
  - .Received Data
  - .Operating Power

**CONNECTORS**

Relay: Terminal Block with Screw Clamps,  
 Type DB-9 Connector (RJ-45)  
 Audio: RCA Connector  
 Optical: SC Connector

**ELECTRICAL & MECHANICAL**

Power: 12 VDC @ 300mA  
 Surface Mount: From Rack  
 Number of Rack Slots: 12  
 Current Protection: Automatic Resettable Solid-State  
 Current limiters

**Size( WxHxD )**

Module Type 123 x 35 x 220mm  
 3u Card Type 25 x 128 x 224mm  
 1u Rack Mount 483 x 44 x 330mm  
 3u Rack Mount 483 x 132 x 290mm

**ENVIRONMENTAL**

MTBF: > 100,000 hours  
 Operating Temp: -40°C to +74°C  
 Storage Temp: -40°C to +85°C  
 Relative Humidity: 0% to 95% (non-condensing)

**SYSTEM DESIGN**

