

**FEATURES & BENEFITS**

**PERFORMANCES**

2 Audio 24 bits technology, 2 serial data from DC to 230 K bauds plus two Closure Contacts.  
SNMP supervising.

**DATA CONFIGURATION**

Data comply with RS 232, RS 422 and RS 485, setting by dip-switches.

**BI-DIRECTIONAL TRANSMISSION**

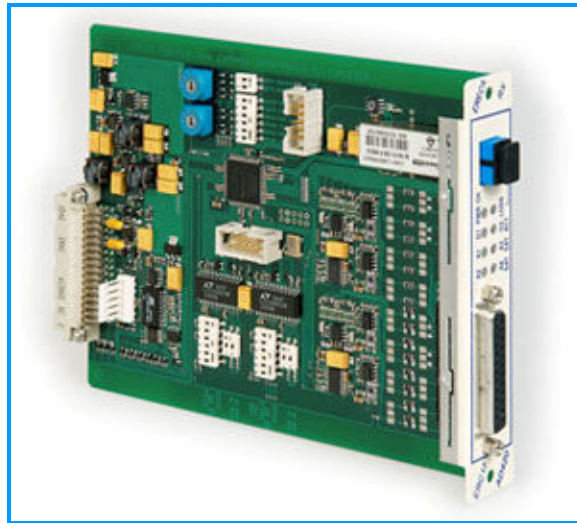
Over only one singlemode optical fiber.

**PRESENTATION**

HOT SWAPABLE module for rack mounted chassis, ERC 17-001, or stand alone box, ERC 17-SA.

**3 years of warranty**  
for peace of mind

**TRANSMISSION OVER OPTICAL FIBER**  
**OF 2 AUDIO, 2 DATA BI-DIRECTIONAL AND 2 C.C CHANNELS**



The ERC AD 222 module transmits 2 bi-directional audio channels, 2 multiprotocol bi-directional data and one closure contact over multimode or singlemode optical fiber.

The data channels are fully independent; setting for RS 232, RS 422 or RS 485 4 and 2 wire is done on the board by dip-switches.

The audio are digitized on 24 bits, for studio quality applications.  
The ERC AD 222 drives balanced or unbalanced audio, configuration of the module maintains audio levels for both use.  
As an option audio isolation transformer can be added.

Each signal activity is displayed by LED.

The module is HOT SWAP and can be plugged in the 19" 3U rack mounted chassis, the ERC 17-001, and supervised by the ERC 17 GUARD for SNMP or HTTP alarms management.  
The ERC 17-SA is also a solution to power one module ERC AD 222.

**Data**

Number of channel	2
Format	RS 232, RS 422 or RS 485
Signal	Rx, Tx
Data rate	DC to 230 000 bauds
Mode	Asynchronous
Relay	2 closure contact
Connector	1 Sub D 25 (audio & data)

**Audio**

Number of channel	2
Bandwidth	20 Hz to 20 KHz @ -0.5 dB
Maximum level	+ 6 dBm
Impedance IN/OUT	600 Ω / 10 Ω (symmetric)
Signal to noise ratio	> 80 dB
Distortion	< 0.05 %
Connector	1 Sub D 25 (audio & data)
(*)Audio transformer option	125 Hz to 8 KHz at -1 dB

**Environmental**

Operating	- 20°C to + 70°C
Storage	- 30°C to + 80°C
Humidity	95 % none condensing
EMC	CE

**Optical**

Version	M	A / B
Wavelength (nm)	1310	1310 / 1550
Optical fiber	multimode	Multimode singlemode
Number of optical fiber	2	1 or 2
Output power (dBm)	- 22	-10 or - 3
Receiver dynamic (dBm)	- 3 to - 32	-3 to - 32*
Optical connector	ST	SC/PC

(\*) With 50/125 or 62,5/125 dynamic depends on optical fiber bandwidth.

**Display**

LED optical synchro, data activity, audio saturation, power ON

**Mechanical / Power supply**

<b>In 19" 3U chassis : ERC 17-001</b> 1 slot Http, SNMP supervising 230 VAC	<b>Stand alone : ERC 17 SA</b> 245 x 135 x 28 Power consumption 2 W. 8 to 24 VDC or 8 to 16 VAC 230 VAC
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**CONTACT INFORMATION**

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