

FEATURES & BENEFITS

PERFORMANCES

4 Audio 24 bits technology and 2 serial data from DC to 230 K bauds.
SNMP supervising.

DATA CONFIGURATION

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

BI-DIRECTIONAL TRANSMISSION

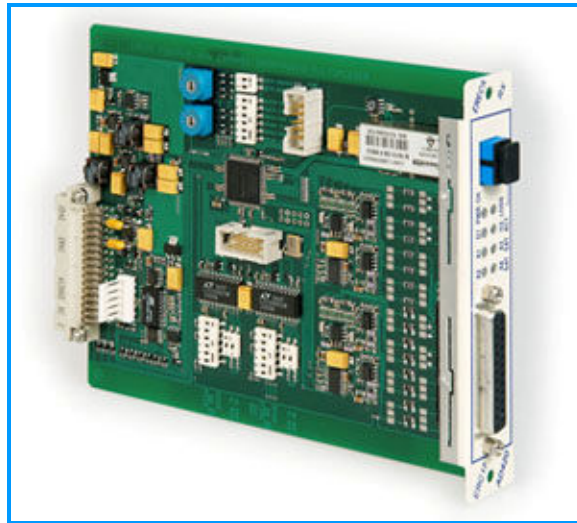
Over only one singlemode optical fiber.

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 4 AUDIO AND 2 DATA BI-DIRECTIONAL CHANNELS



The ERC AD 420 module transmits 4 bi-directional audio channels and 2 multiprotocol bi-directional data 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 420 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 420.

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
Connector	1 Sub D 25 (audio & data)

Audio

Number of channel	4
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
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

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

CONTACT INFORMATION

ERECA S.A

75 rue d'Orgemont
95210 SAINT GRATIEN France

☎ 33 (0) 1 39 89 76 23 Fax 33 (0) 1 34 28 16 25
E-mail : ereca@ereca.fr Web : www.ereca.fr