



FEATURES

- 2RU pluggable Eurocard rack
- Clear anodized metal finish
- Dual redundant PSUS
- Expandable to 8 output channels
- Individual front panel monitor ports
- RS-232 or RS-422 operation

INTRODUCTION

The CE-0927A is a 2RU Eurocard 19 inch Chassis which houses up to 8 pluggable modules each of RS232/422 Splitters plus a power-supply module including one backup unit. Since the modules are pluggable, this unit can be fitted with custom modules to suit.

WE DELIVER ANYWHERE

INPUT CONNECTIONS

Two input connectors, one DB25M and one DB15M are available at the rear of the unit for connecting RS232 or RS422 processed radar data and clock signals according to a DTE device respectively. (Only one input can be used at any one time).

The CE-0927A will respond automatically to whichever input is used, therefore no input switch selection is needed. A front panel LED indicator on the Input Unit will indicate which mode is in use.



Row 1	RS232 INPUT on DB25M	Row 2	
1	Protective Ground		
2	RS232 Enable (link to pin 14)	2	RS232 Enable (link tfrom pin 2)
3	RxData	17	RxClock
7	Signal Ground		

Row 1	RS422 INPUT on DB9M	Row 2	
1	Protective Ground		
2	RS422 Enable (link to pin 10)	10	RS422 Enable (link tfrom pin 2)
4	RxData+	11	RxData-
6	RxClock+	13	RxClock-
8	Signal Ground		

OUTPUT CONNECTIONS

Eight Isolated RS232 and RS422 output data and clock signals are available at rear panel DB25F and DB15F connectors respectively as a DCE device.



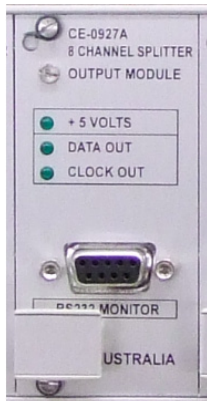
Row 1	RS232 OUTPUT on DB25M	Row 2	
3	TxData	17	TxClock
7	Signal Ground		

Row 1	RS422 OUTPUT on DB9M	Row 2	
4	TxData+	11	TxData-
6	TxClock+	13	TxClock-
8	Signal Ground		

RS232 MONITOR PORTS

All Input and Output Modules have a Front Panel DB9F connector which is configured as a DCE device and is available to monitor TxData and TxClock signals at the inputs to these modules.

RS232 data and clock signals are available at the following pins.



MONITOR PORT PINOUT

Row	RS232 MONITOR
2	RxData
5	Signal ground
8	RxClock

INDICATORS

3mm Green led's are used at each Module Front Panel to indicate the following:

INPUT MODULE

- RxData
- RxClock
- RS232 Enable
- RS422 Enable
- +5VDC On

OUTPUT MODULE

- RxData
- RxClock
- +5VDC On

POWER SUPPLY UNIT

- +5VDC On

DATA SPEED

64Kbps maximum for both RS232 and RS422 Inputs

POWER REQUIREMENT

110 to 240VAC 50/60Hz @ 200ma maximum

ENVIRONMENT

Operating temperature range 0 to 70 degrees C.

PHYSICAL DIMENSIONS

Width	484 mm
Depth	300mm
Height	88mm

WEIGHT

Approximately 2.65 kgs

DOCUMENTATION

A Maintenance Manual is provided with each unit that has following details:

- Technical Description
- Circuit Diagrams
- Parts Listing
- Certificate of Conformance

STANDARDS

The CE-0927A conforms to the following Standards:

- AS/NZS 3260:1993
(including amendments 1,2,3,4)
- AS/NZS CISPR 22:2006
- X21
- EIA 232C
- EIA 422A