



# MicroComm DXI

## RDB-100 Remote Driver Board

### Description

The RDB-100 Remote Driver Board mounts in the DXI card cage and interfaces with a Remote Receiver Board/Remote Receiver Rack/DXI Audio Board combination. This permits system interfaces to be distributed to locations where a full card cage is not warranted.

The remote Audio Board performs as though mounted within the card cage in the same slot as the remote driver board. The communication between the driver and receiver unit is handled via a high speed Digital Audio Trunk.

### Features

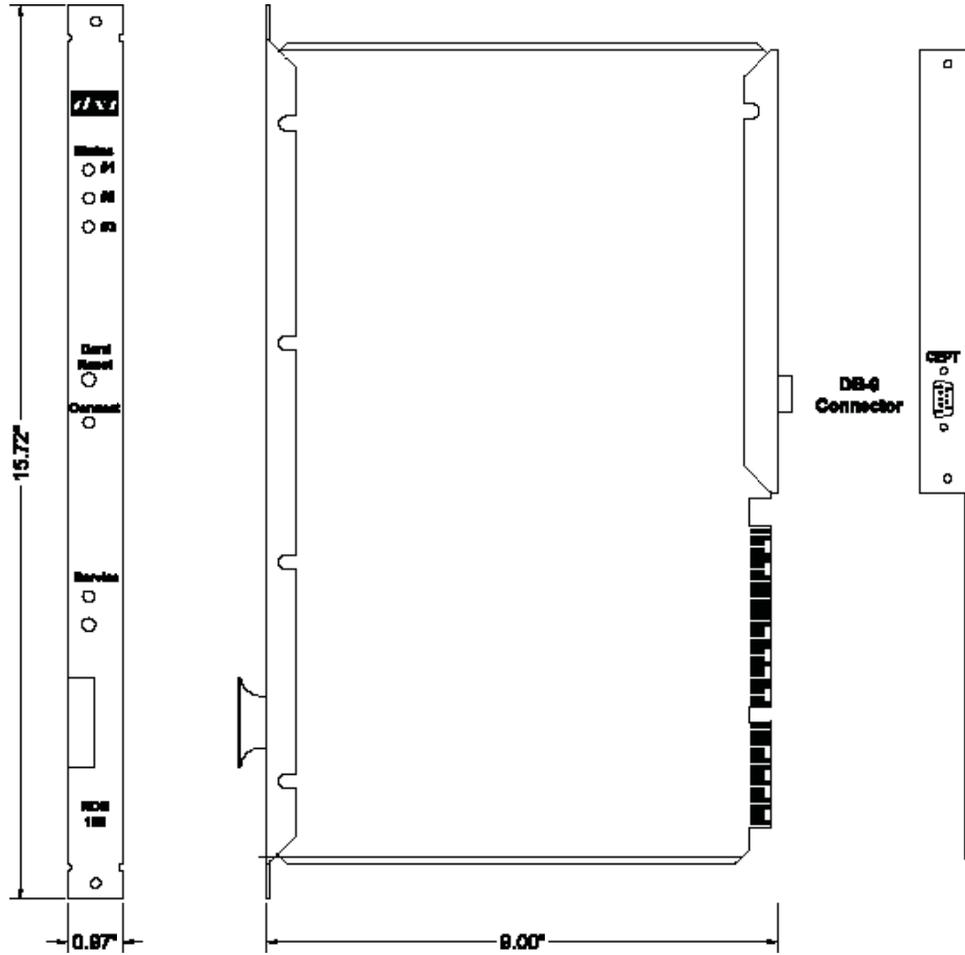
- can be connected or removed while the system is operating without disrupting the rest of the system
- internal fuse protects circuitry
- live card insertion and removal to expedite installation and maintenance
- service switch
- $\pm 12$  Vdc or + 24 Vdc power supply option
- 3 LED's indicate operating status



### Specifications

Physical Form Factor	MicroComm DXI I/O card
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95 % non-condensing
Power Supply	$\pm 12$ Vdc $\pm 10\%$ @ 1 A max +24 Vdc $\pm 10\%$ @ 1 A max
Field Connections	DB-9 with quick release lock or ST connectors for fiber optics
Cabling	
Copper CEPT (E1)	2 unshielded twisted pairs, maximum 8200 ft (2500 m) per segment
Fiber CEPT (E1)	2 fibers - 62.5/125 $\mu$ m 13 dB power budget per segment
Standards	FCC Part 15

# Mechanical



## Ordering Information

Part number RDB-100-A

- A CEPT digital interface options
  - 1 copper wiring
  - 2 fiber optic

## Accessories

Field Interface Cable

CBL-160-A

