



# 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

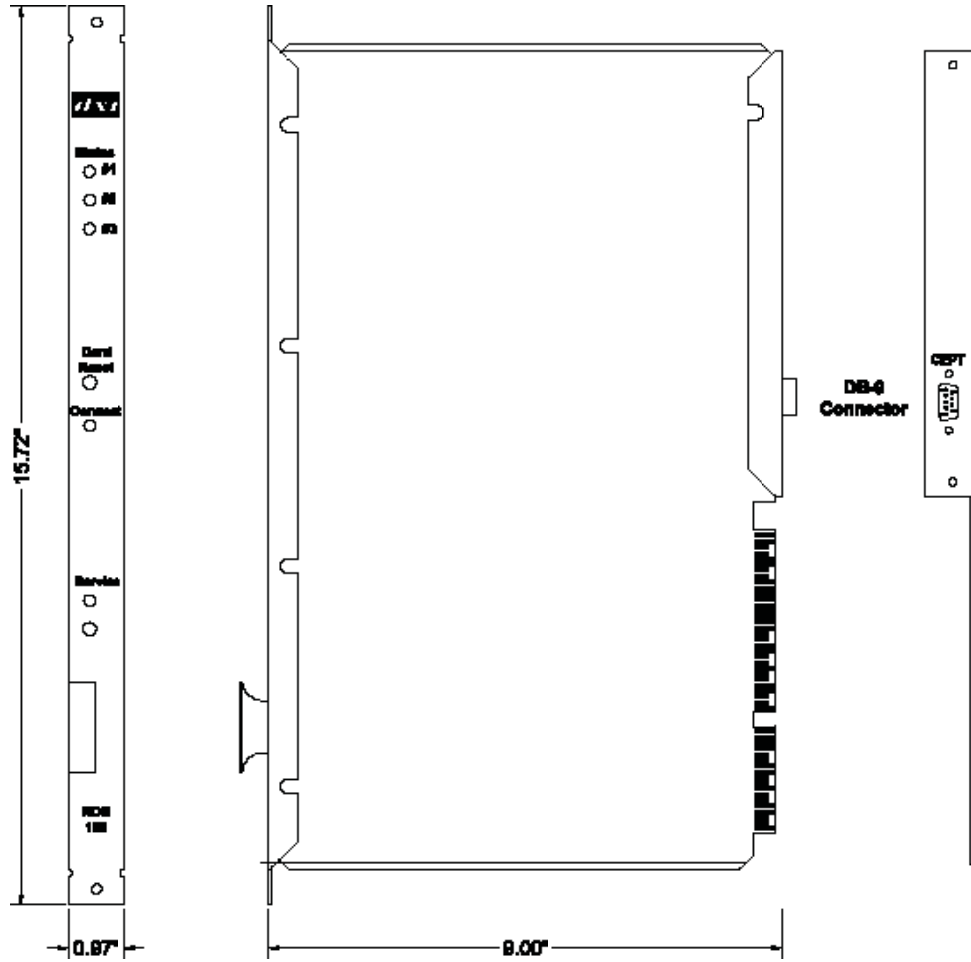
- can be connected or removed while the system is operating without disrupting the rest of the system
- internal fuse protects circuitry
- live card insertion and removal to expedite installation and maintenance
- service switch
- $\pm 12$  Vdc or + 24 Vdc power supply option
- 3 LED's indicate operating 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<br>+24 Vdc $\pm 10\%$ @ 1 A max      |
| Field Connections     | DB-9 with quick release lock<br>or<br>ST connectors for fiber optics   |
| Cabling               |  |
| Copper CEPT (E1)      | 2 unshielded twisted pairs,<br>maximum 8200 ft (2500 m) per<br>segment |
| Fiber CEPT (E1)       | 2 fibers - 62.5/125 $\mu$ m<br>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

