MicroComm DXI

ATB-101
Audio Trunk Board

Description

ATB-101 Audio Trunk Boards allow for the implementation of additional Digital Audio Trunks between card cages. The ATB-101 is designed for applications where a large number of audio paths are required between card cages, such as in a video visitation application.

The ATB's installed in card cages are connected to form two (a primary and secondary) CEPT rings. The secondary ring provides redundancy if one of the primary links fails. The ATB-101 can be used only in a card cage that has an ACB-101 Audio Control Board installed.

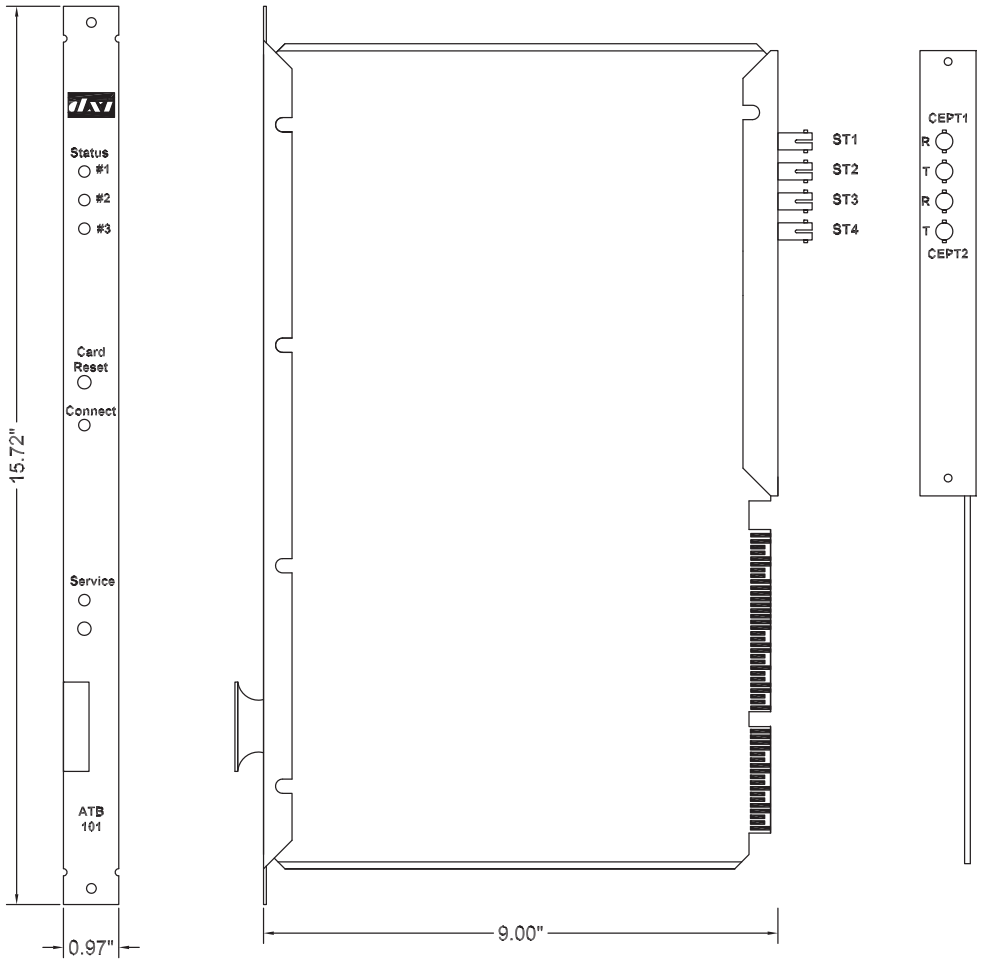
Features

- allows 30 additional digital audio channels between a sub set of system card cages
- audio trunk has redundancy if one link fails
- SAC automatically recognizes ATB
- 1 LED indicates network status
- 3 LED's indicate operating status
- internal fuse protects circuitry
- live card insertion and removal to expedite installation and maintenance
- all field connections on rear of card to expedite installation and maintenance

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	±12 Vdc ± 10% @ 2 A max provided by I/O Card Cage
Field Connections	DB-9 with quick release lock or ST connectors for fiber optic
I/O Capacity	30 digital audio channels via 1 copper digital audio trunk or 1 fiber optic digital audio trunk
Cabling	
Copper CEPT	4 unshielded twisted pairs, maximum 8200 ft (2500m) per segment
Fiber CEPT	4 fibers - 62.5/125 µm 13 dB power budget per segment
Standards	FCC Part 15

Mechanical



Ordering Information

Part number ATB-101-A

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

Accessories

Field Interface Cable	CBL-160-A

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