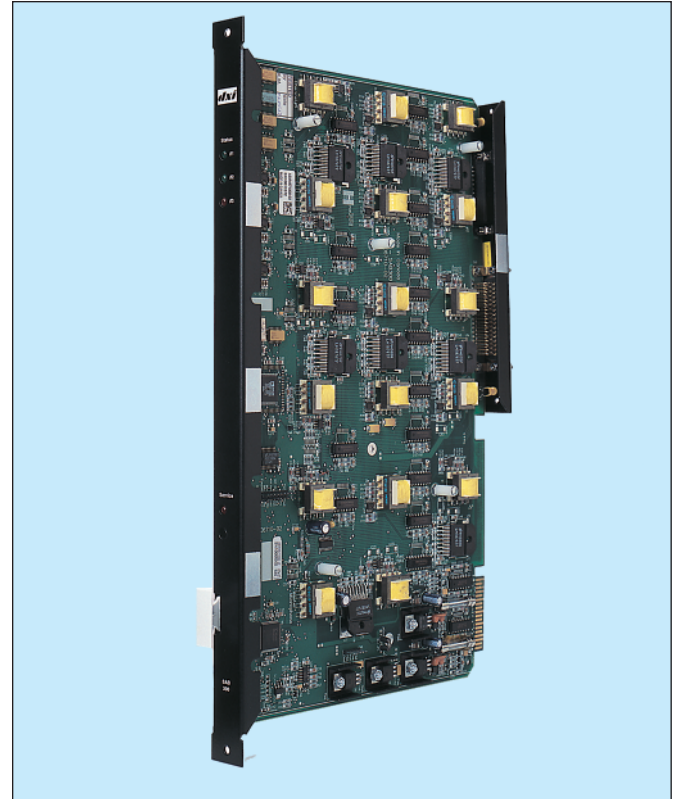## Description

The SAB-300 Station Audio Board interfaces generic intercom stations to the MicroComm DXI system. Each station audio board has 1 full duplex port and 15 half duplex ports. Intercom stations can be connected to any port, while master stations must be connected to the full duplex (16th) port.

A shielded twisted pair and an unshielded twisted pair cable connect each intercom station to the station audio board*. These pairs carry all the signals that pass between the station audio board and the intercom station.

Each port provides 1 watt of audio power at 25 volt rms. The station audio board can also scan up to 2 supervised switches on each intercom station. The SAB-300 is compatible with 400 series intercom master stations.

Features

- compatible with generic 25 volt cone loudspeaker intercom stations which uses a seperate momemtary normally open switch

- 15 half duplex intercom station ports

- channel 16 is a full duplex master station port or half duplex intercom station port

- 8 independent software controlled solid state audio level settings for each channel

- 3 LEDs indicate operating status

- converts analog station audio signals to/from digital format

- each channel can monitor 1 or 2 (with suitable termination resistors) switches on the switch pair

- digital audio bus connections supply a redundant signal to an optional redundant control card

- all field connections are made via connectors on the rear of the card to expedite system set up and maintenance

- live card insertion and removal to expedite installation and maintenance

- internal fuse protects circuitry

- internal termination circuitry for line fault supervision to detect open and short circuit faults in intercom station switch wiring
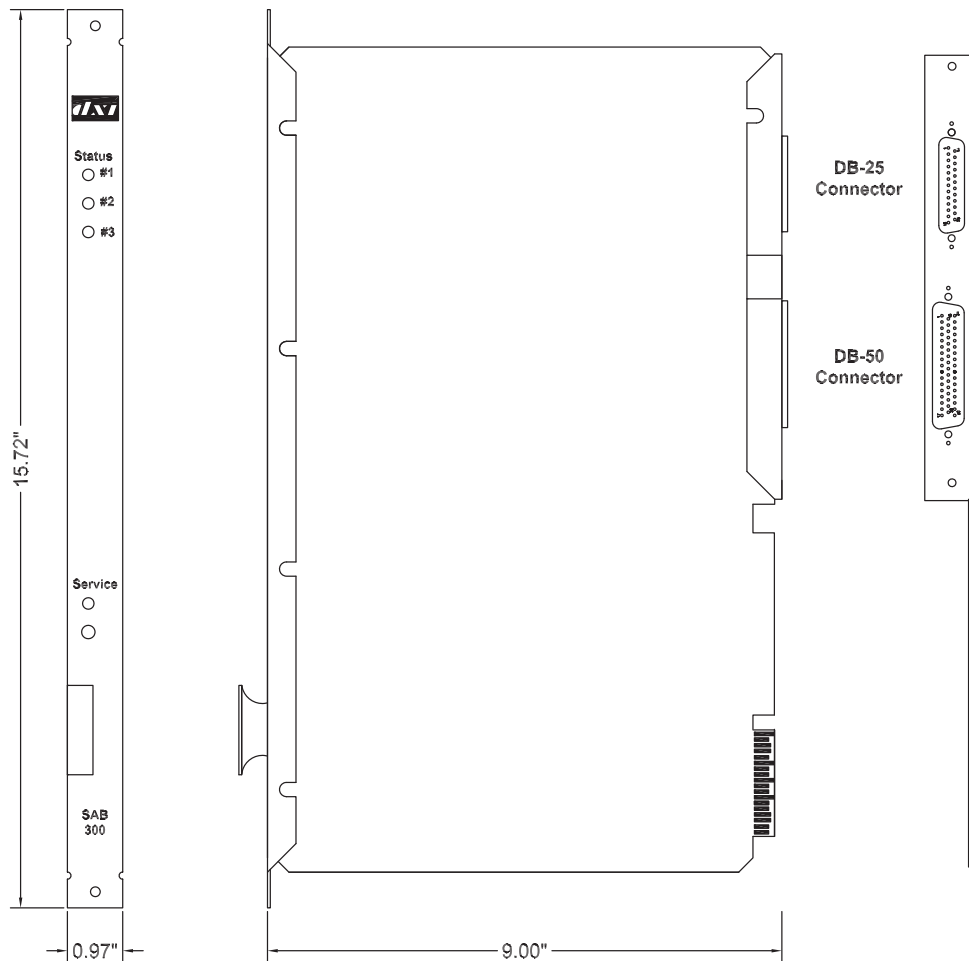

Specifications

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	
Audio	DB-50 with quick release lock
Switches	DB-25
Cabling	
Audio	22 ga shielded twisted pair, max 2500 ft (750 m)*
Switches	22 ga unshielded twisted pair, max 2500 ft (750 m)*
I/O Capacity	1 full duplex port 15 half duplex ports
Standards	FCC Part 15

*Wiring from device to exchange should reside within the same building

Mechanical

DB-25 Connector

DB-50 Connector

15.72"

0.97"

9.00"

SAB 300

Status
#1
#2
#3

Service

Ordering Information

Part number SAB-300-A

A   output level

    0   25 volt (superceded by option 2 below)
    1   headphone (16 ohm)
    2   25 volt c/w TMM support

Accessories

Audio Interface Cable	CBL-130-A
Switch Interface Cable	CBL-180-A

Represented by:

HARDING

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