



MicroComm DXI

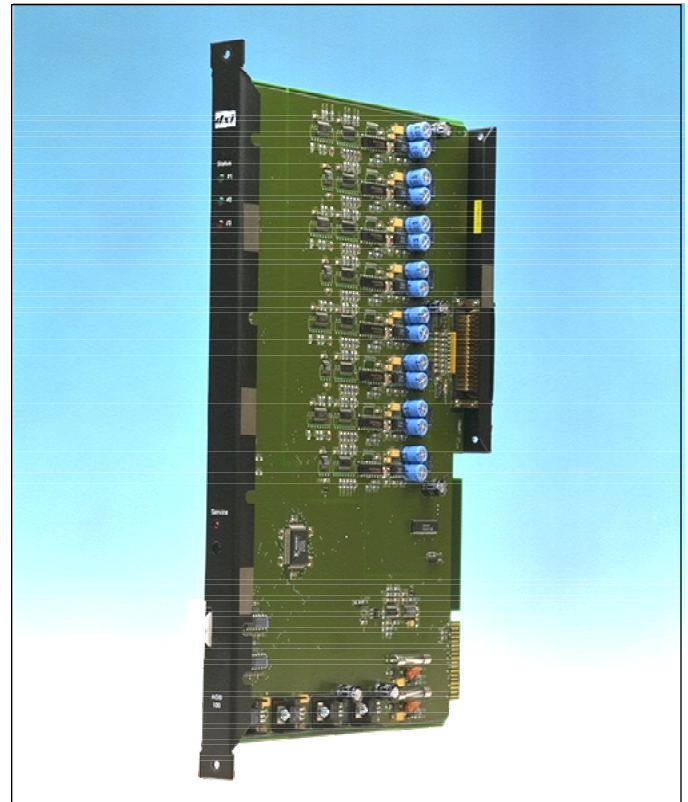
AIO-100 Audio Input/Output Board

Description

The AIO-100 Audio Input/Output Board installs in the card cage and provides up to four external audio inputs and four external audio outputs. It is used to connect to auxiliary audio equipment such as: microphones, tape players, radio tuners, two-way radios, and automatic message repeaters and four external audio output connections to tape recorders, amplifiers, monitoring devices, two-way radios, etc. Each input and output is balanced and transformer isolated and responds to software controlled level adjustment and impedance matching. The AIO-100 converts input signals to the system's internal digital format for processing and switching by the DXI system and converts output signals to analog format for external use.

Features

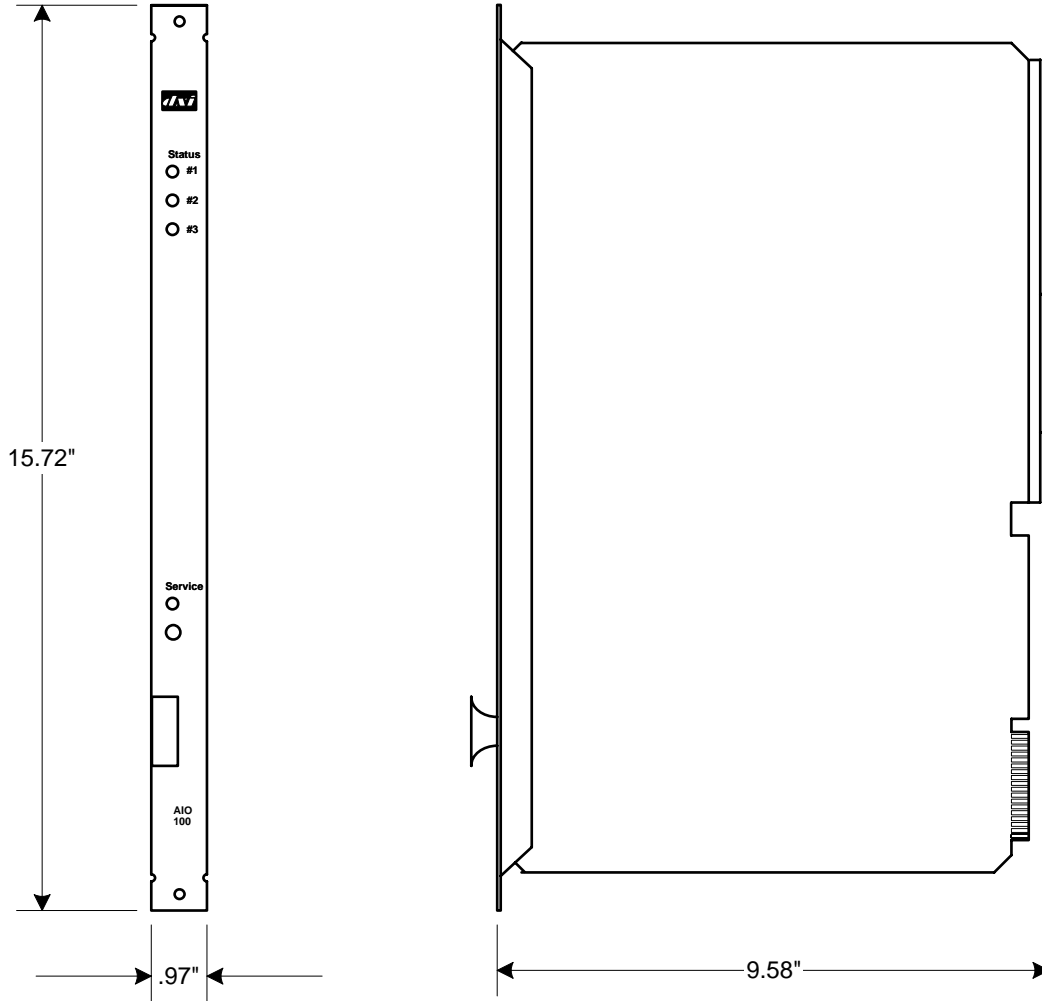
- 4 audio input channels
- 4 audio output channels
- each input channel adjustable for mic level or line level
- independent software audio level controls for each output channel
- 3 LEDs indicate operating status
- converts analog audio to/from internal digital format
- balanced inputs and outputs
- all field connections on rear of the card to expedite system set up and maintenance
- digital audio bus connections supply a redundant signal to an optional redundant control card
- fault protection on all I/O wiring
- live card insertion and removal to expedite installation and maintenance
- internal fuse protects circuitry
- status output and control input on each channel
- output channels can be disabled by external equipment
- floating status contact outputs to maintain isolation from other equipment



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
Input Level	50 mVp-1 Vp
Input Impedance	10 K Ω
Output Level	50 mVp-1 Vp
Output Impedance	200 Ω
Field Connections	DB-50 with quick release lock
I/O Capacity	4 input channels 4 output channels
Cabling	
Audio Inputs	22 ga shielded twisted pair
Audio Outputs	22 ga shielded twisted pair
Standards	FCC Part 15, UL, CSA

Mechanical



Ordering Information

Part number AIO-100

Accessories

Field Interface Cable

CBL-120-A

