



MicroComm DXI

AIO-400

Audio Input/Output Board

Description

The AIO-400 Audio Input/Output Board installs in the card cage and provides up to eight external audio inputs and eight external audio outputs. It is used to connect to auxiliary audio equipment such as microphones, tape players, radio tuners, and automatic message repeaters and for external audio output connections to tape recorders, amplifiers, monitoring devices, and two-way radios. Each input and output is balanced and transformer isolated and responds to software controlled level adjustment and impedance matching.

Features

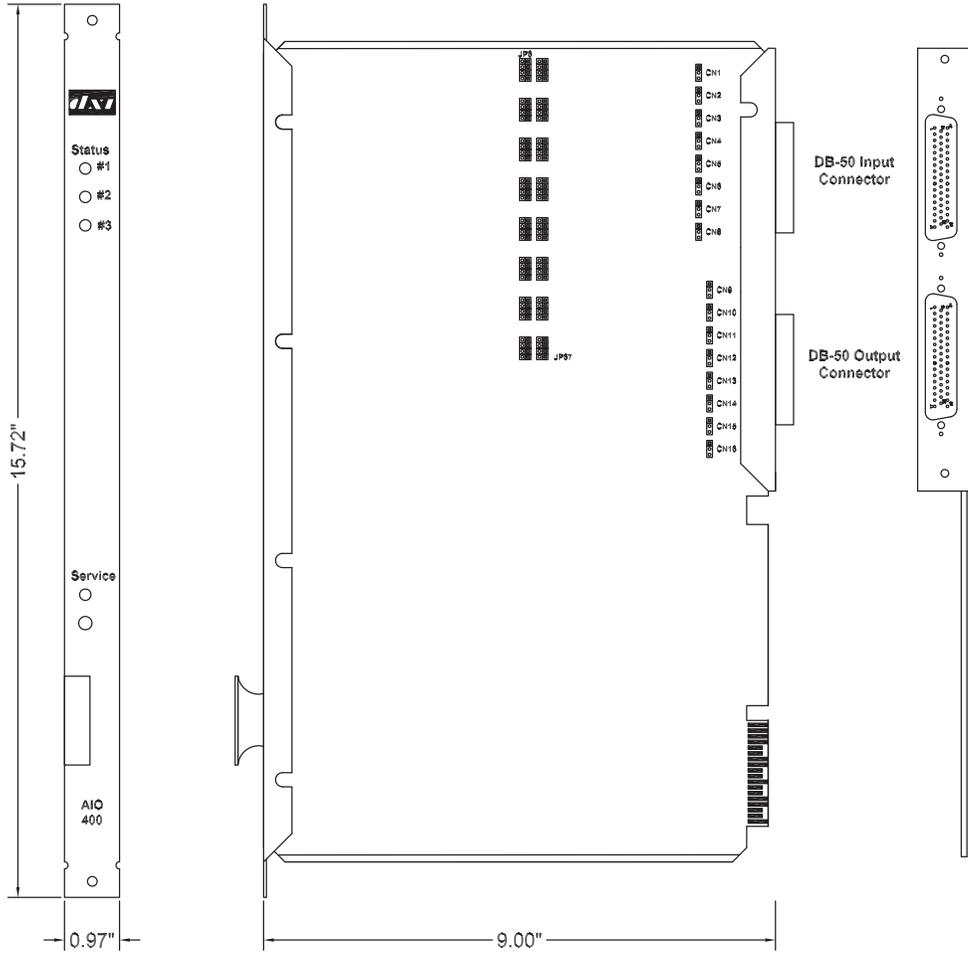
- eight (8) audio input channels
- eight (8) line level audio output channels
- each input channel adjustable for mic level or line level
- independent software audio level controls for each output channel
- 3 LED's indicate operating status
- converts analog audio to/from internal digital format
- balanced inputs and outputs
- all field connections on rear of the card to expedite system set up and maintenance
- digital audio trunk 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 ohms
Output Level	1 Vp (line level, adjustable in eight 3 dB steps)
Output Impedance	200 ohms
Field Connections	2 x DB-50 with quick release lock
I/O Capacity	8 input channels 8 output channels
Cabling	
Audio Inputs	22 ga shielded twisted pair maximum 2500 ft (750 m)
Audio Outputs	22 ga shielded twisted pair maximum 2500 ft (750 m)
Standards	FCC Part 15

Mechanical



Ordering Information

Part number AIO-400

Accessories

Field Interface Cable

CBL-120-A

Document # DS-AIO-400-1.4 • Copyright © 1999 Harding Instrument Co. Ltd. • All Specifications subject to change without notice • Printed in Canada



9564 Yellowhead Trail NW
Edmonton, AB T5G 0W4
sales@harding.ca

Tel 780.462.7100
Fax 780.450.8396
www.harding.ca



Represented by: