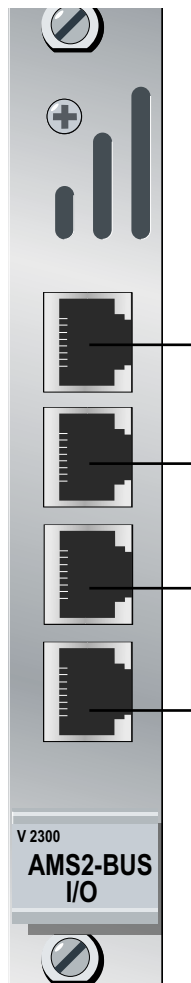


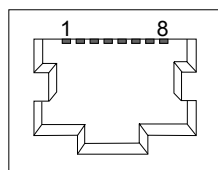


AMS BUS I/O CARD 48 V FOR VADIS

V2300



RJ45 connectors
for the connection
of the AMS busses
to the line interface



Description

The 48 V AMS bus I/O card V 2300 is a plug-in card for VADIS mainframes V210C-HDD and V880. Via the V 2300 AMS (audio media system) bus card, audio and control data are exchanged between the VADIS system and the AMS bus. The AMS bus is a proprietary, fully bidirectional bus system for the distribution of audio and control data to and from powered modules. The AMS bus I/O card provides 4 busses. Each of these busses is connected to a line interface input. The line interface adds the power supply to the audio and control data coming from the VADIS frame and outputs the extended data via its bus outputs to the AMS bus modules. The V 2300 has the following functions:

The V 2100 has the following functions:

- Exchange of audio and control data between the VADIS frame and the AMS bus
- Transmission of commands from the frame to the AMS bus modules
- Transmission of status replies of the AMS bus modules to the VADIS frame
- Monitoring of the supply voltage of the line interface
- Monitoring of the states of the AMS modules

Specification

| | |
|--------------------------|--|
| Number of AMS busses | 4, differential, RS422 with pre-emphasis |
| Connectors | 4 x built-in RJ45 connectors, 8-pin, female |
| Audio resolution | 24 bit max. |
| Number of audio channels | 4 x 8 channels @ 16 bit audio resolution 4 x 4 channels @ 24 bit audio resolution |
| Data rate | 7.5988 Mbit/s |
| Sample frequency | 48 kHz |
| Power supply current | 5 ± 0.5 V |
| Current | 450 mA @ 4 busses used typically |

Pin Configuration

RJ45 8-pin, female

- Connector J2 = connector to bus 1
- Connector J4 = connector to bus 2
- Connector J5 = connector to bus 3
- Connector J6 = connector to bus 4

| Pin | Signal |
|-----|-------------------------------|
| 1 | TX+ |
| 2 | TX- |
| 3 | RX+ |
| 4 | GND line interface |
| 5 | GND redundant line interface |
| 6 | RX- |
| 7 | 48 V line interface |
| 8 | 48 V redundant line interface |

A&E Specs

The specified AMS bi-directional audio bus card for the Atlas Sound Varizone system shall be the model V2300.

Output busses shall total (4). Each bus shall be capable of transmitting 8 channels of bi-directional audio to and from the Vadis frame when used in 16 bit mode and 4 channels of bi-directional audio when used in 24 bit mode.

Sample frequency shall be 48 kHz. Output connections shall be RJ45 (x4).

Technology by KLOTZ
DIGITAL

Specifications subject to change without notice



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