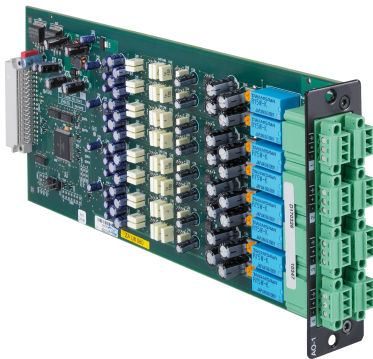


AO-1 Analog line level output module



- 118 dB dynamic range - for best audio performance
- 100 Ω balanced output drivers - lossless signal distribution to several inputs, even over longer cables
- Output relays - power-on delay and quick disconnection for effective suppression of power-on/-off noise. Automatic control of parallel-wired redundant systems
- Automatic configuration - indication (message) of installation and removal of modules via IRIS-Net software

The AO-1 is an eight-channel analog output module for use in an DYNACORD P 64 system. The module offers eight high quality audio signals via screw-lockable Euroblock connectors. A-to-D conversion is taken care of by high performance linear 24-bit converters. Internally the signals are processed in 48-bit word length.

Parts included

Quantity	Component
1	AO-1 module
8	Euroblock connector 3-pole (Phoenix MC 1,5/ 3-STF-3,81, Nr. 1827716)
2	Screw combination TORX M3x6
1	Datasheet

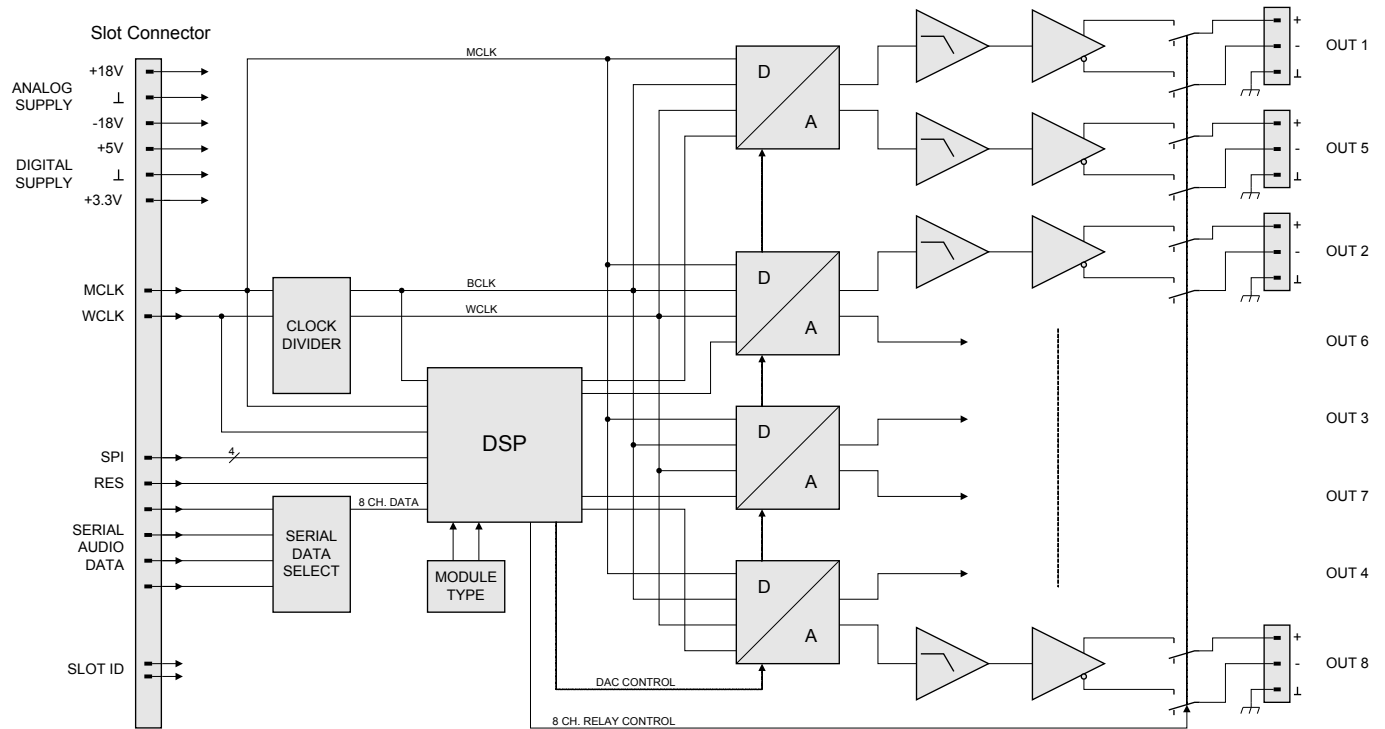
TORX is a registered trademarks of Acument Intellectual Properties, LLC.

Technical specifications

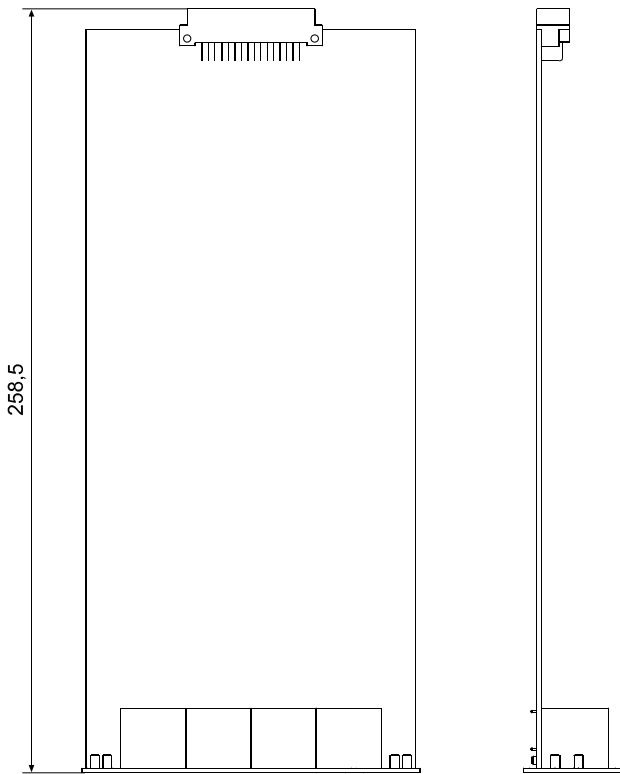
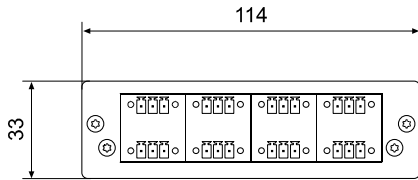
Supply voltage/current	+3.3 V DC, ± 0.3 V / 140 mA +5 V DC, ± 0.25 V / 190 mA +18 V DC, ± 0.5 V / 270 mA -18 V DC, ± 0.5 V / 160 mA
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Audio outputs	8 x 3-pole Euroblock connectors, electronically symmetric
Output level (nominal)	+6 dBu / 1.55 V
Output level (max. before clip)	+21 dBu / 8.7 V
Output impedance	100 k Ω
Min. load impedance	600 k Ω
D/A conversion	24 Bit, Sigma-Delta, 128 times oversampling
Frequency response	20–20000 Hz (-0.5 dB)
Signal-to-noise ratio (A-weighted)	118 dB typical
THD+N	< 0.005%
Sample rate	48 kHz
Data format	24 Bit linear D/A conversion, 48 Bit processing
Signal delay	30 Samples = 625 μ s at 48 kHz
Electromagnetical environment	E1, E2, E3

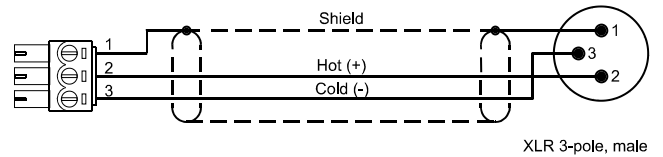
Operating temperature	0 °C to 40 °C
Product dimensions (Width x Height x Depth)	114 x 33 x 258.5 mm
Net weight	260 g



Circuit diagram



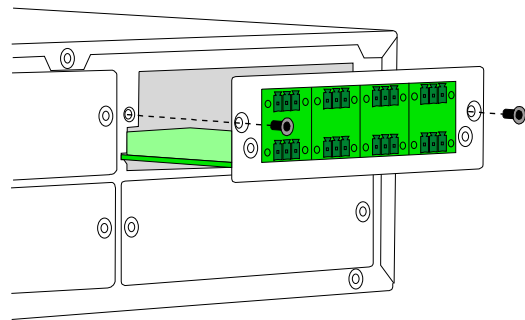
AO-1 Dimensions



Interconnection cord Euroblock - to - XLR for AO-1 audio outputs

Installation/configuration notes

1. Turn off the power of the unit and pull the mains plug.
2. Remove the blind on the rear panel (two screws).
3. Insert the AO-1 module in the desired slot and secure it with two screws on the rear panel.
4. Plug in the mains cord and turn the unit's power on.
5. The unit automatically recognizes the AO-1 module. Eight additional audio outputs can now be used.



Ordering information

AO-1 Analog line level output module

AO-1 8 Channel analog line level output card, 100 MIPS DSP onboard
Order number **AO-1**

Germany:

Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, NY 14450
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