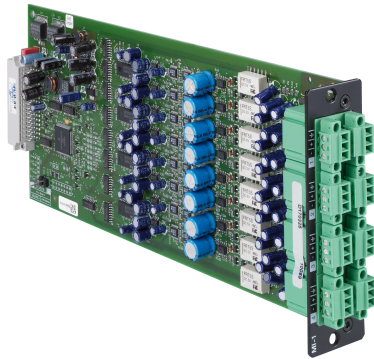


MI-1 Analog microphone level input module



- Gain, PAD, Phantom Power - Input gain in 6 dB steps, PAD for switching input to line level, switchable +48 V phantom power
- 118 dB dynamic range - for best audio performance
- Automatic configuration - indication (message) of installation and removal of modules via IRIS-Net software
- Balanced inputs - high common mode rejection prevents long cables from picking up interference

The MI-1 is an eight-channel microphone input module for use in a DYNACORD P 64 system. Microphone signals are connected 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. Up to three MI-1 can be used simultaneously in a P 64.

Parts included

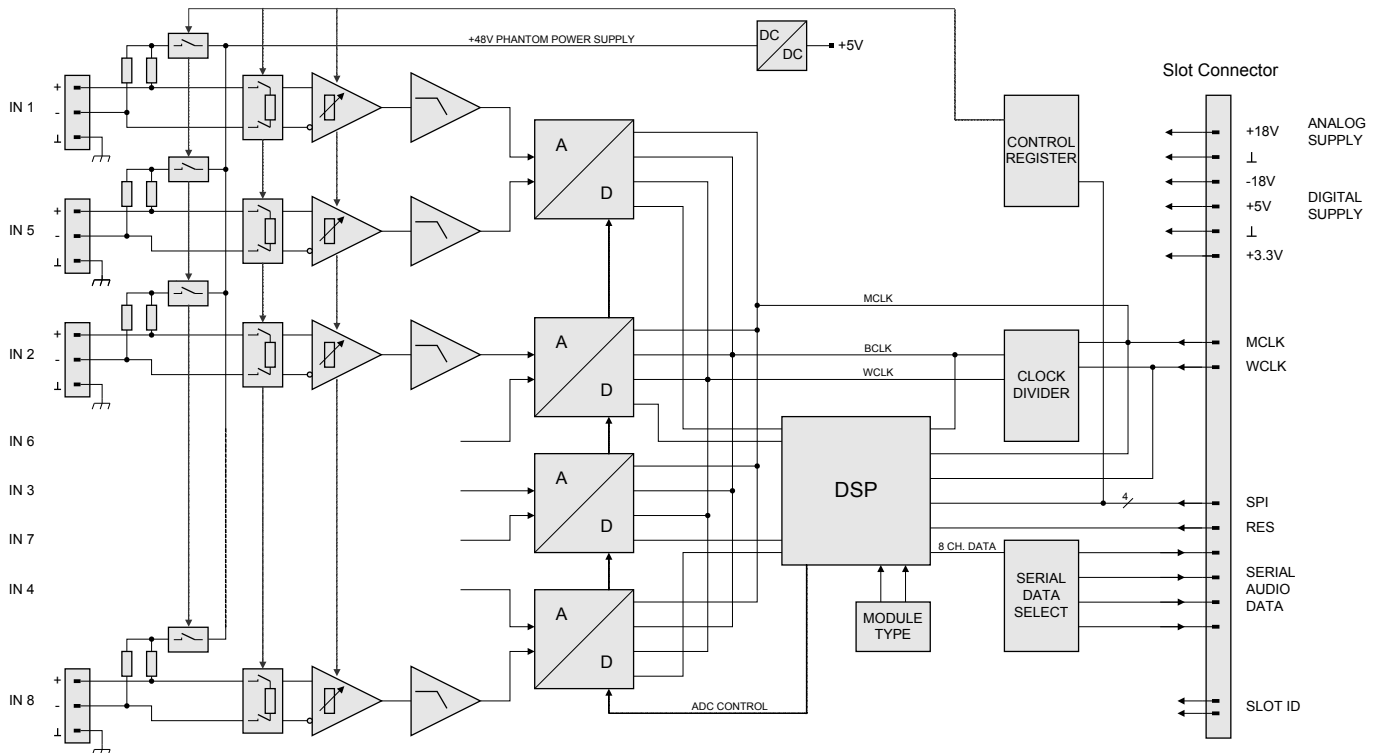
Quantity	Component
1	Engineering Data Sheet MI-1
1	MI-1 module
8	Connector 3-pole, Phoenix MC 1.5/3-STF-3.81 (Nr. 18 27 71 6)
2	Screws Combination Torx M3x6

Technical specifications

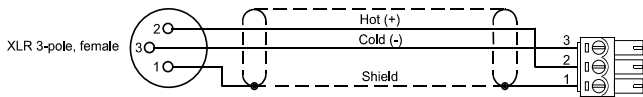
Supply voltage/current	+3.3 V DC, ± 0.3 V / 180 mA +5 V DC, ± 0.3 V / 1 A +18 V DC, ± 0.5 V / 400 mA
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	-18 V DC, ± 0.5 V / 150 mA
Audio inputs	8 x 3-pole Euroblock connectors, electronically symmetric
Input level (nominal)	+6 dBu / 1.55 V
Input level (max. before clip)	
Microphone	+21 dBu / 8.7 V
Line	+39 dBu / 69 V
Input sensitivity (6 dBu Output, Input Level Control +18 dB)	
Microphone	-72 dBu / 195 μ V
Line	-54 dBu / 1.55 mV
Input impedance	
Microphone	2 k Ω
Line	8 k Ω
Common mode rejection (1 kHz)	
Microphone	> 75 dB
Line	> 60 dB

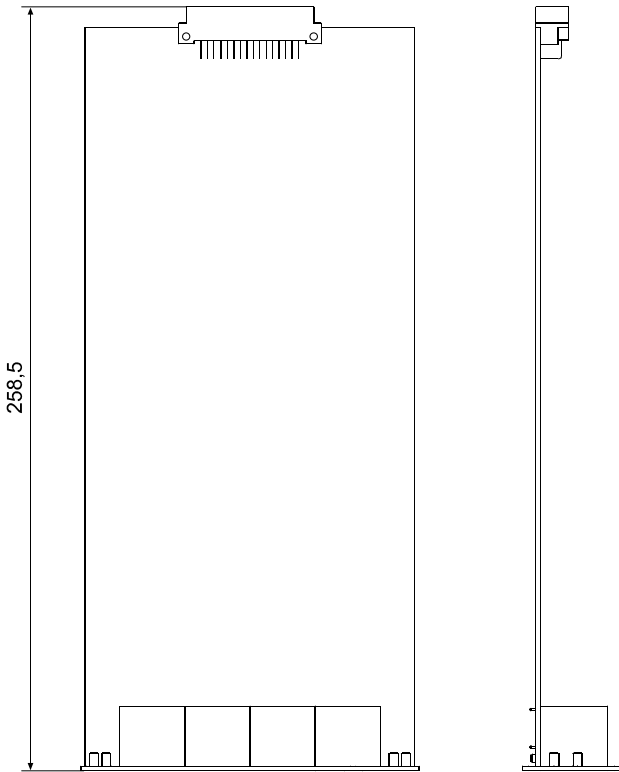
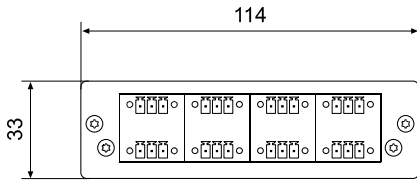
Equivalent Input Noise (EIN)	-129 dBu (A-weighted, 150 Ω source)	Data format	24 Bit linear A/D conversion, 48 Bit processing
Phantom power	+48 V / 10 mA, independently switchable per channel	Signal delay	66 Samples = 1.375 ms at 48 kHz
A/D conversion	24 Bit, Sigma-Delta, 128 times oversampling	Electromagnetical environment	E1, E2, E3
Frequency response	20-20000 Hz (-0.5 dB)	Operating temperature	0 °C to 40 °C
Signal-to-noise ratio (A-weighted)	118 dB typical	Product dimensions (Height x Width x Depth)	33 mm x 114 mm x 258.5 mm
THD+N	< 0.005%	Net weight	250 g
Sample rate	48 kHz		



Circuit diagram



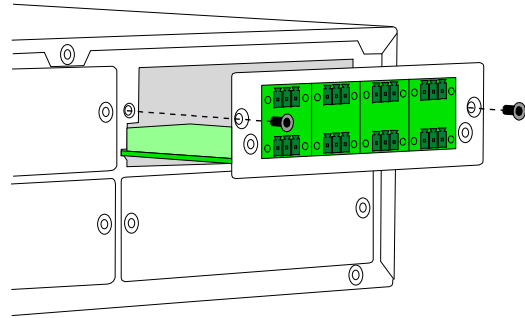
Interconnection cord XLR - to - Euro block for MI-1 audio inputs



Dimensions

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 MI-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 MI-1 module. Eight additional audio outputs can now be used.



Notice!

Phantom power



Up to three MI-1 modules can be used simultaneously in one P 64. The overall current for phantom powered microphones is limited to 90 mA.

Ordering information

MI-1 Analog microphone level input module
 MI-1 8 Channel Mic/Line input card, with programmable preamp gain & phantom power
 Order number **MI-1**

Germany:

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 Robert-Bosch-Ring 5
 85630 Grasbrunn
 Germany

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