

DC-P64-230V DSP audio matrix, 32x32ch frame



- 300 MIPS computing power - Expandable to 2200 MIPS
- Ethernet interface - Configuration and control via TCP/IP
- CAN interface - Communication with up to 100 external devices (e.g. DYNACORD PowerH amplifiers)
- RS-232 interface - Connection of media controls and building control systems

The P 64 is a modular, networkcompatible audio matrix including signal processing, system monitoring and remote operability. 4 Audio Slots can be equipped with 8 channel audioinput or output-cards to meet customized requirements. The P 64 includes integrated selfmonitoring and supports spare/redundancy concepts in security-relevant systems. Complete recall of stored parameters and configurations is possible.

Parts included

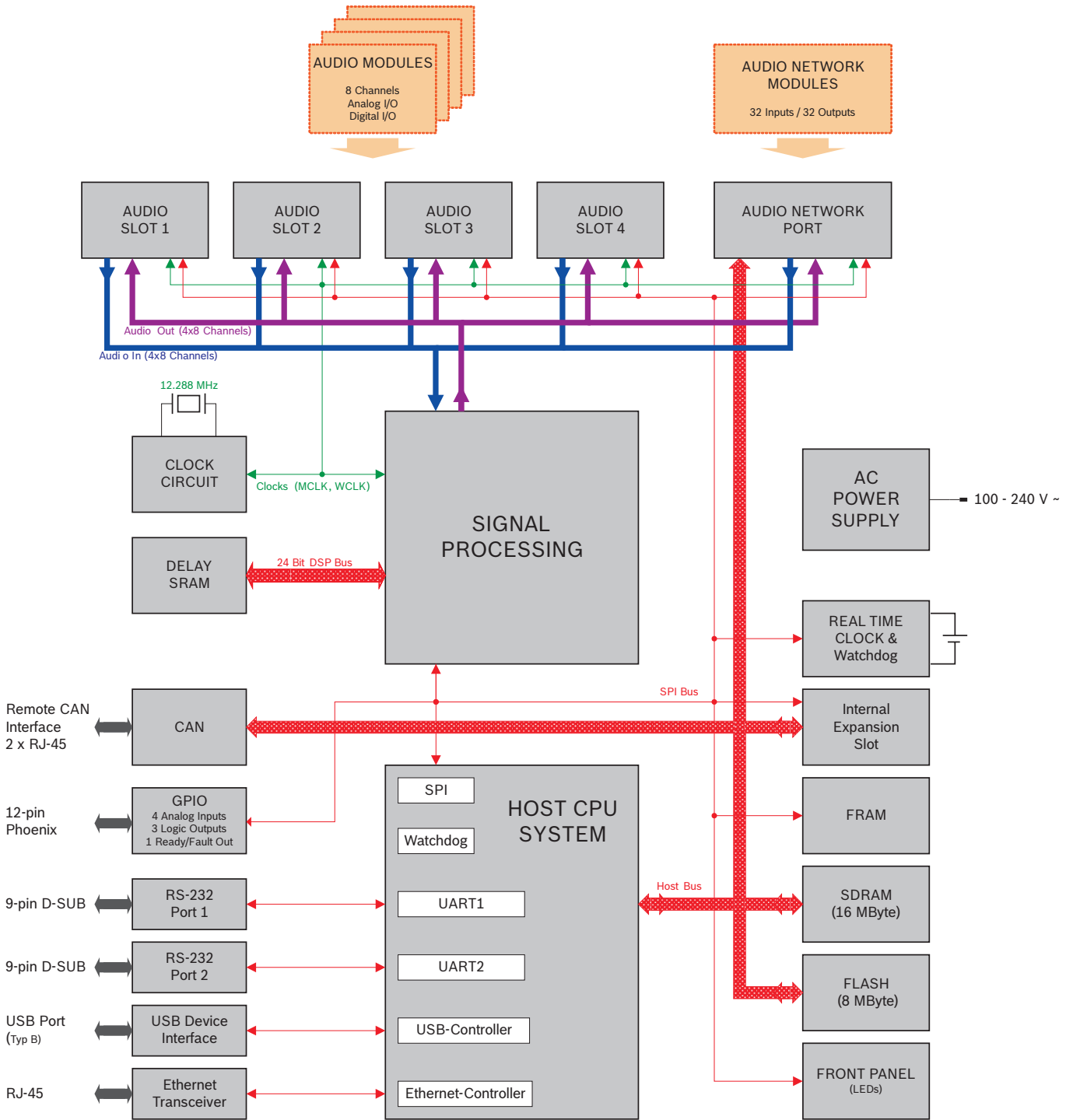
Quantity	Component
1	P 64
1	Power cord
2	CAN terminator (120 Ω)
2	Euroblock connector 6-pole (Phoenix, MC 1,5/6-STF-3,81, 1827745, F.01U.104.179)
1	Owner's manual

Technical specifications

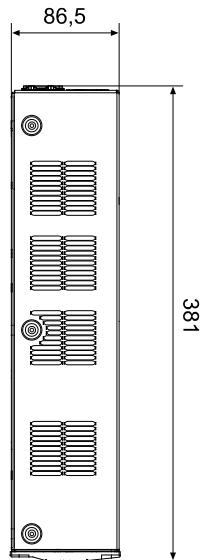
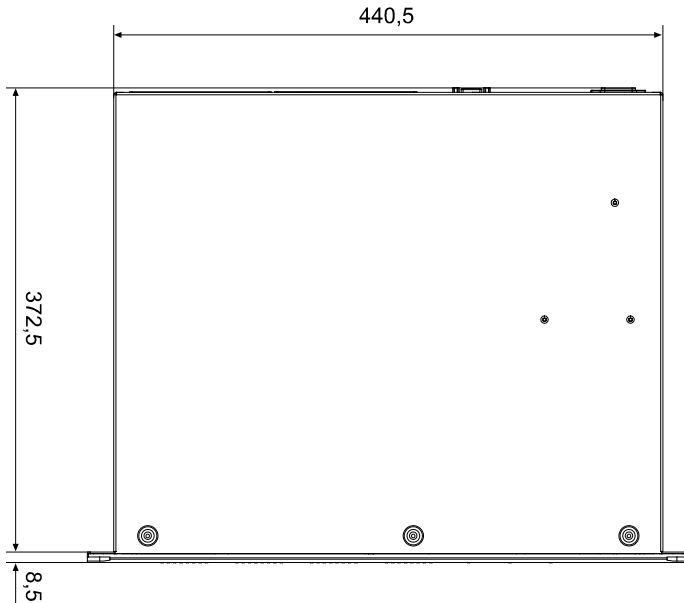
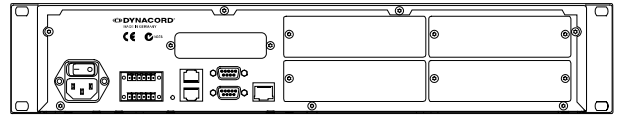
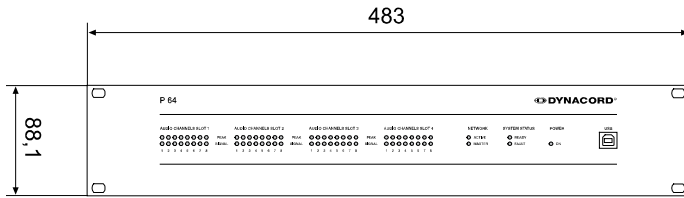
Power supply	100-240 V AC, 50/60 Hz
Power consumption	90 W max., (incl. 2 x AI-1, 2 x AO-1, 1 x CM-1 modules)
Audio slots	4 (for AI-1, AO-1, MI-1, DI-1 and/or DO-1 modules)
Network slots	1 (for CM-1 or DM-1 module)
Interfaces	
Ethernet	1 x RJ-45, 10/100 MBit/s
CAN Bus	2 x RJ-45
RS-232	2 x 9pin D-Sub
USB	Type B, front
GPIO control port	
Connector	2 x 6-pole Euro block

Contacts	4 Control Inputs (analog 0-10 V / logic control) 3 Control Outputs (Relay contact to ground) 1 Fault Output (NC Relay contact) 2 Reference Outputs (+10 V, 200 mA / GND)
Signal processing	2 DSPs Standard (150 MHz, 300 MIPS) 1 DSP per Audio Module (100 MHz, 100 MIPS) DSP-1 Extension Module optional (+300 MIPS) DSP-2 Extension Module optional (+1500 MIPS)
Sample rate	
Internal	48 kHz
External	32-192 kHz
Data format	24 Bit linear A/D conversion, 48 Bit processing

Signal delay (at 48 kHz)	
AI-1	66 Samples = 1.375 ms
AO-1	30 Samples = 0.625 ms
2 x DSP	4 Samples = 83,33 μ s
Analogue in to analogue out	100 Samples = 2.083 ms
Electromagnetic environment	E1, E2, E3
Inrush current	< 31 Aeff
Inrush current, after five-second power cycle	< 31 Aeff
Operating temperature	0° to 40° C
Product dimensions (Height x Width x Depth)	88.1 mm x 483 mm x 381 mm (19", 2 U)
Net weight	7.35 kg



Circuit diagram



Dimensions

Installation/configuration notes



Notice!

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Ordering information

DC-P64-230V DSP audio matrix, 32x32ch frame
 P64 Digital Audio Matrix, 2HU
 Order number **DC-P64-230V**

Accessories

AI-1 Analog line level input module

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

AO-1 Analog line level output module

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

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**

DI-1 Digital input card

8 Channel AES / SPDIF digital input card, 100 MIPS DSP onboard
 Order number **DI-1**

DO-1 Digital output card

8 Channel AES digital output card, 100 MIPS DSP onboard
Order number **DO-1**

DSP-1 DSP extention board, 300 MIPS

DSP-1 DSP extender module, adds 300 MIPS DSP power
Order number **DSP-1**

DSP-2 DSP extention board, 1500 MIPS

DSP-2 DSP Extender Module, adds 1500 MIPS DSP power
Order number **DSP-2**

DM-1 DANTE NETWORK CARD

DM-1 Dante Audio Network Card, supports up to 32 digital input & 32 digital output channels
Order number **DM-1**

CM-1 CobraNet module

CobraNet Card, supports up to 32 digital input & 32 digital output channels
Order number **CM-1**

Germany:

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

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

www.dynacord.com