

Image for visualization only

General Description

This standard backplane is member of the ERNI backplane family for use in Compact PCI computer systems. Its high-performance features make it ideally suited for telecom, data-com, and industrial applications like CNCs, robotic controls, and video image processing.

ERNI develops and manufactures backplanes according to ISO 9001 at several productions sites around the world.

Custom and semi-custom designs based on our standard backplanes are possible in various configurations.

Part No: 166129

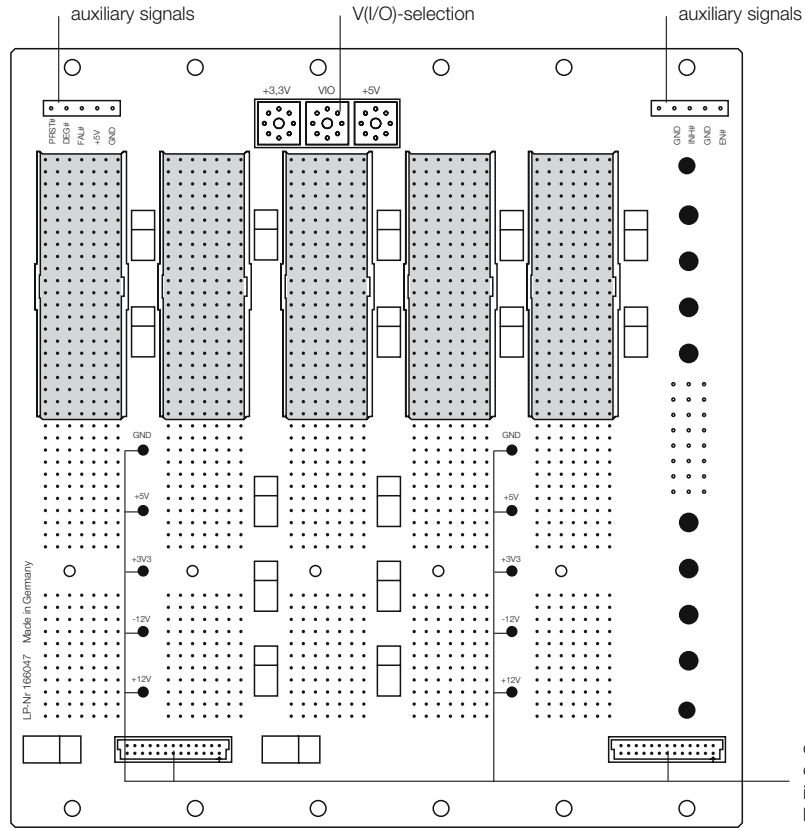
Features

- Form factor 3 U
- Dimension (WxH): 120.92 mm x 128.7 mm
- 5 slots, 4 peripheral slots; system slot on right hand side
- Operates at 66 MHz clock frequency
- All slots with 32-bit implementation
- All slots with rear I/O capability
- AB-shrouds with guides for safe mating of rear I/O transition modules
- Controlled impedance of 65 Ohm implemented in stripline-topology
- Hot-swap features according to PICMG 2.0 R3.0 and PICMG 2.1 R2.0
- Best decoupling of supply voltages
- High-quality design with best EMC-characteristics by fully shielded PCB
- Flexible grounding to chassis by fixing screws
- Connectors according to IEC 61076-4-101 and PICMG 2.0 R3.0
- V(I/O) selectable by jumper element: 3.3 V or 5 V
- DIN Type M connector for use with modular power supply according to PICMG 2.11 R1.0
- Auxilliary signals accessible at headers
- Extension/cascading feature with other cPCI backplane or power backplane
- Secure separation between hazardous voltages in mains supply and SELV circuit according to IEC 950

3 U CompactPCI Backplane with 5 Slots

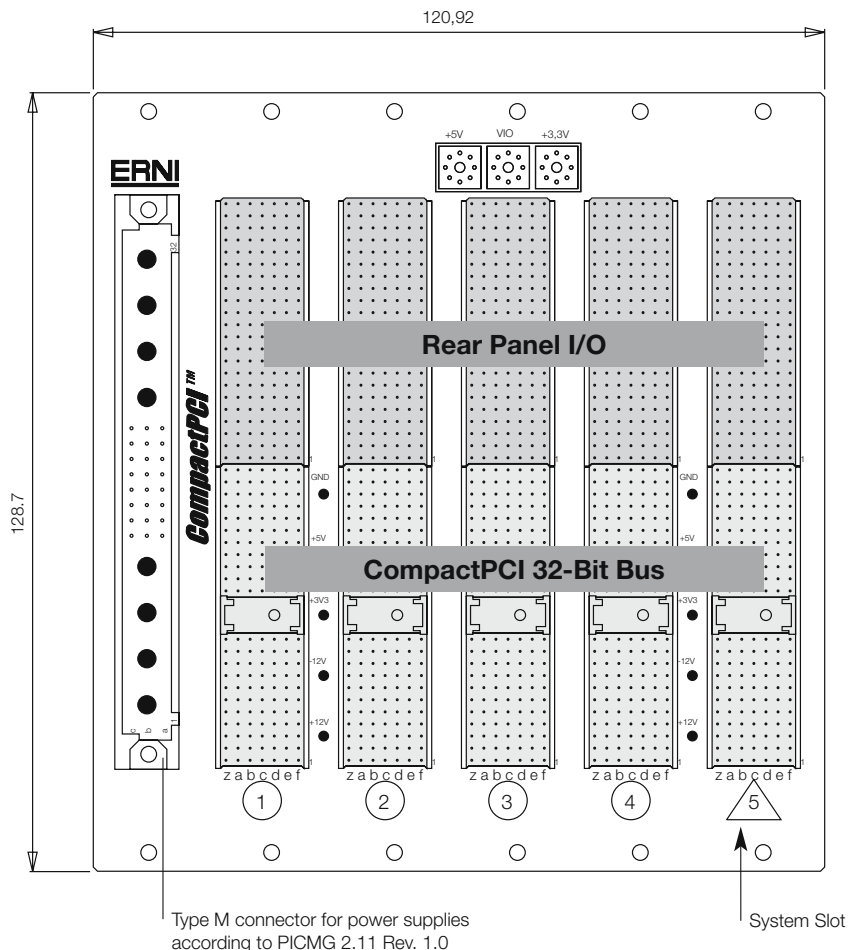


Rear view



connections for extension to other modular backplanes, includes system management bus according to PICMG 2.9

Front view



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