ELMA
Backplanes

3U, 8-slot CompactPCI PlusIO Hybrid Backplane
036-777

ELMA
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Description

The 3U 8-slot CompactPCI Plus IO (PICMG 2.30) and CompactPCI Serial hybrid backplane provides one PICMG 2.30 system slot, 3 CompactPCI legacy peripheral slots and 4 CompactPCI Serial peripheral slots. The CompactPCI® Serial specification, CPCI S.0 is based on the CompactPCI® mechanical form factor. It supports serial point-to-point connections via a single star backplane architecture and optionally IEEE 802.3 Ethernet standard in a single star or mesh architecture. CompactPCI® Serial backplanes are intended for use in systems requiring symmetrical multiprocessing and component redundancy.

Features

- CompactPCI Plus IO (PICMG 2.30) and CompactPCI Serial (CPCI-S.0) hybrid backplane
- 1 x CompactPCI Plus IO (PICMG 2.30) system slot (CPU), 3 x CPCI legacy peripheral slots and 4 x CPCI-S.0 Peripheral Slots
- High-speed connectors supporting data transfer rates up to 12 Gbps in all 4 CompactPCI Serial Slots
- Designed to support Rear Transition Modules
- Single star topology for serial interfaces such as PCI Express, SATA, USB2 are provided by the CPCI S.0 system slot
- System Slot is connected in a Single Star Ethernet topology with 2 of the Compact PCI Serial Slots
- Europacard form factor in 3U height

Board Specifications

- 3U height, 8 slots

Mechanical Specifications

- Slot Pitch: 0.8" (20.32 mm)
- PCB szie: 160.5 mm x 128.5 mm
- PCB thickness: 4.4 mm
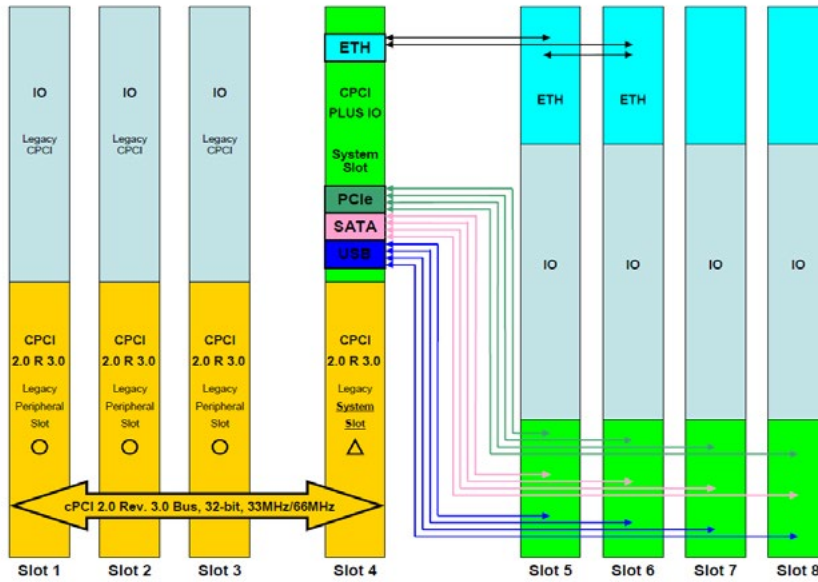
Related Products and Applications

Highly integrated applications such as:

- Transportation/Railways
- Communication
- Safety/Security
- Industrial
- Building technologies

- CompactPCI Serial CPU cards
- Peripheral Boards
- CompactPCI Serial system chassis

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Line Drawing

Order Information

Height	Total Slots	Description	Part Number
3U	8	3U, 8 slot CompactPCI Plus IO (PICMG 2.30) and CompactPCI Serial hybrid backplane	036-777