3U COMPACTPCI® SERIAL BACKPLANE 4 SLOTS, SYSTEM SLOT RIGHT, ETHERNET FULL-MESH

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DESCRIPTION

The 3U 4-slots CompactPCI® Serial Backplane provides one system slot and three peripheral slots. The Backplane is based on CompactPCI® Serial specification (CompactPCI® S.0), with a 3U 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® Serial Space (PICMG® CompactPCI® S.0) compliant backplane
- 1 x CompactPCI® S.0 system slot right (CPU) and 3 x CompactPCI® S.0 Peripheral Slots
- High-speed connectors supporting data transfer rates up to 12 Gbps in all 4 slots
- All 4 slots are connected to each other through a Full Mesh Ethernet Topology
- Single Star Topology used for PCI Express, SATA, USB 2.0, USB 3.0
- Designed to support Rear Transition Modules
- Europacard form factor in 3U height
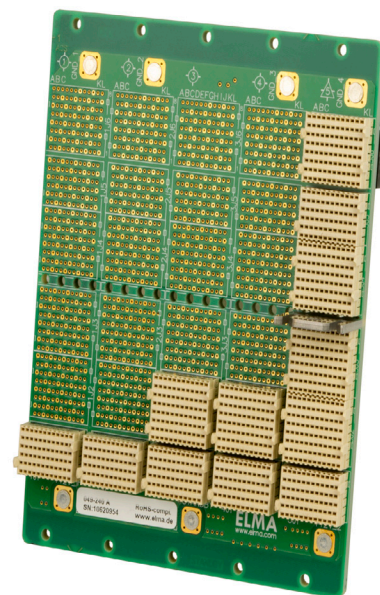- Temperature Range Operating and Storage: -40°C to +85°C

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BOARD SPECIFICATIONS

- 3U, 4 slots, system slot right
- Utility connectors for system control and management
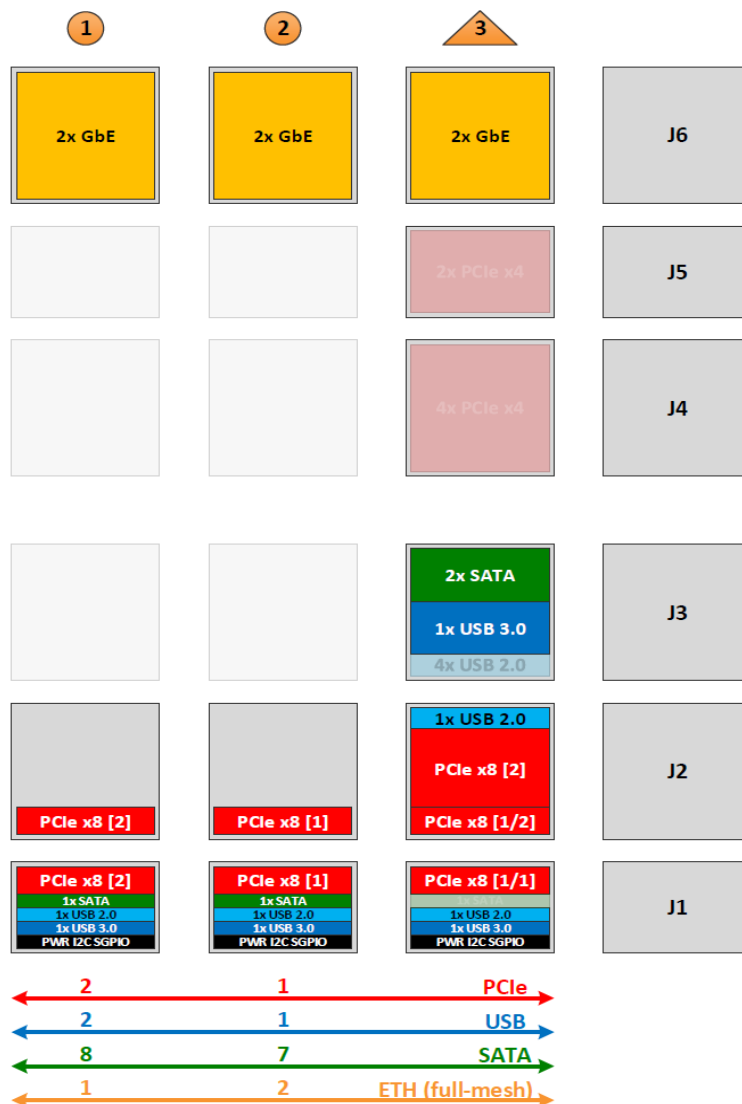- Power in made over M3 power studs

MECHANICAL SPECIFICATIONS

- Slot Pitch: 0.8'' (20.32 mm)
- PCB size: 80.28 mm x 128.5 mm
- PCB thickness: 4.47 mm

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BACKPLANE DIAGRAM

	1	2	3	
	2x GbE	2x GbE	2x GbE	J6
			2x PCIe x4	J5
			4x PCIe x4	J4
			2x SATA / 1x USB 3.0 / 4x USB 2.0	J3
	PCIe x8 [2]	PCIe x8 [1]	1x USB 2.0 / PCIe x8 [2] / PCIe x8 [1/2]	J2
	PCIe x8 [2] / 1x SATA / 1x USB 2.0 / 1x USB 3.0 / PWR I2C SGPIO	PCIe x8 [1] / 1x SATA / 1x USB 2.0 / 1x USB 3.0 / PWR I2C SGPIO	PCIe x8 [1/1] / 1x USB 2.0 / 1x USB 3.0 / PWR I2C SGPIO	J1

	2	1	PCIe
	2	1	USB
	8	7	SATA
	1	2	ETH (full-mesh)

ORDER INFORMATION

Hight	Total Slots	Description	Part Number
3U	4	CompactPCI® Serial 3U Backplane with 4 Slots, System Slot Right, Ethernet full-mesh, without connectors for RTMs (Rear Transition Modules)	1CPCIS-304-R200
3U	4	CompactPCI® Serial 3U Backplane with 4 Slots, System Slot Right, Ethernet full-mesh, with connectors for RTMs (Rear Transition Modules)	1CPCIS-304-R210