

Product Information

PS1-SATA • **CompactPCI**® Serial SATA Storage Card

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The PS1-SATA is a peripheral slot card for CompactPCI® Serial systems (aka CompactPCI Plus). The PS1-SATA accommodates either a 2.5-inch size SATA SSD/HDD, or a Micro-SATA 1.8-inch drive, the latter alternatively fixed on-board, or removable through a front panel slot. In addition, the PS1-SATA can be equipped with an USB Solid State Drive module.

With two or more PS1-SATA boards in a system, a RAID storage system easily can be configured. Front panel LEDs are provided to indicate status information such as ready/busy, and error/rebuild. Hot swap operation is supported. When combined with the PCJ-JAM CompactPCI® Serial system slot controller, RAID levels 0/1/3/5/10 are available.



PS1-SATA with 2.5-Inch SSD

The PS1-SATA is a member of the EKF family of CompactPCI® Plus products. CompactPCI® Plus is comprised of the PICMG® standards CompactPCI® Serial, which provides high speed serial I/O (such as SATA) over the backplane, and CompactPCI® PlusIO, which serves as a migration path from classic CompactPCI® to CompactPCI® Serial. Hybrid systems can be configured either by means of a CompactPCI® PlusIO CPU card (requires a common hybrid backplane), or a classic CompactPCI® CPU card with a suitable CompactPCI® Serial system slot side board (independent dual-backplane solution).

Benefits of the PS1-SATA

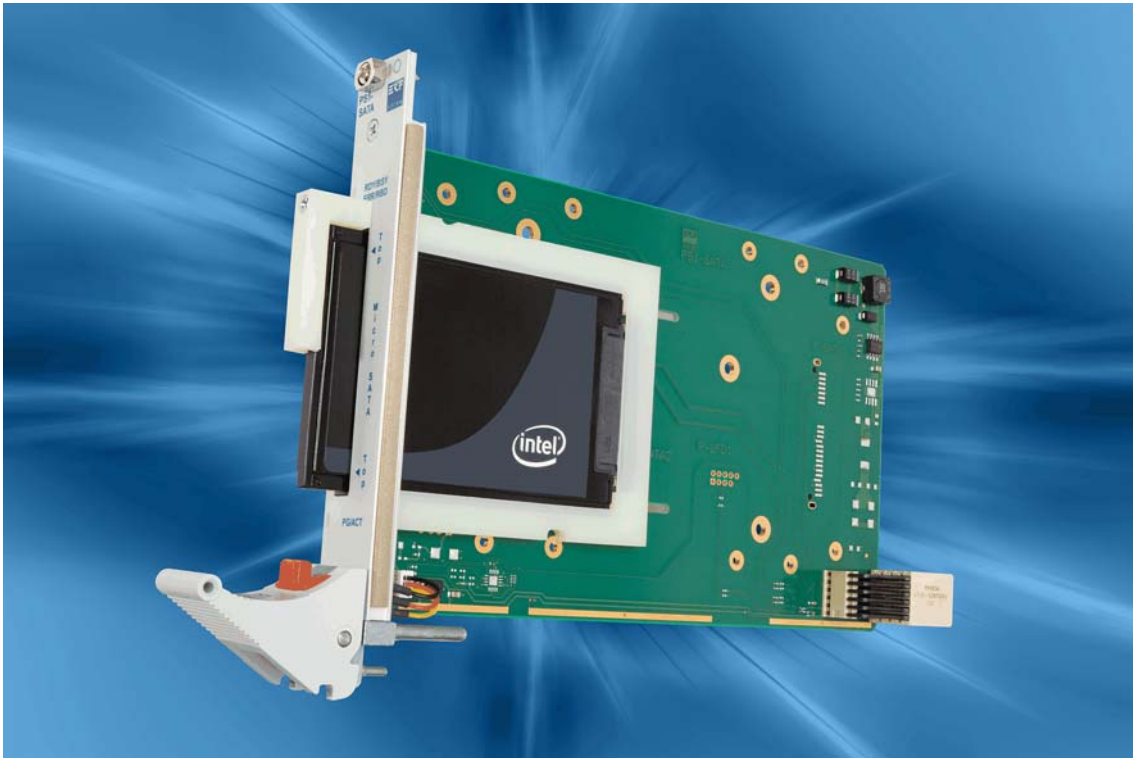
- ▶ PICMG® CompactPCI® Serial Standard (CPCIS.0)
- ▶ Peripheral Slot Card (up to 8 SATA Channels Specified on a CPCI-S Backplane)
- ▶ Suitable for CompactPCI® Plus Systems
- ▶ Carrier Board for a Single SATA Drive, Choice Between Three Options
- ▶ Option 2.5-Inch SATA SSD/HDD
- ▶ Option 1.8-Inch Micro-SATA SSD (Permanently Attached on the PCB)
- ▶ Option 1.8-Inch Micro-SATA SSD (Removable through Front Panel Cutout)
- ▶ Additional USB SSD Module Available as an Option (Alternate Standard USB Receptacle)
- ▶ Suitable for RAID or Non-RAID Operation
- ▶ CompactPCI® Serial System Slot Controller PCJ-JAM Available
- ▶ CompactPCI® PlusIO System Slot Controller PC1-GROOVE Available
- ▶ CompactPCI® Serial Backplanes Available
- ▶ Rugged Solution (Coating/Sealing Available on Request)
- ▶ RoHS compliant





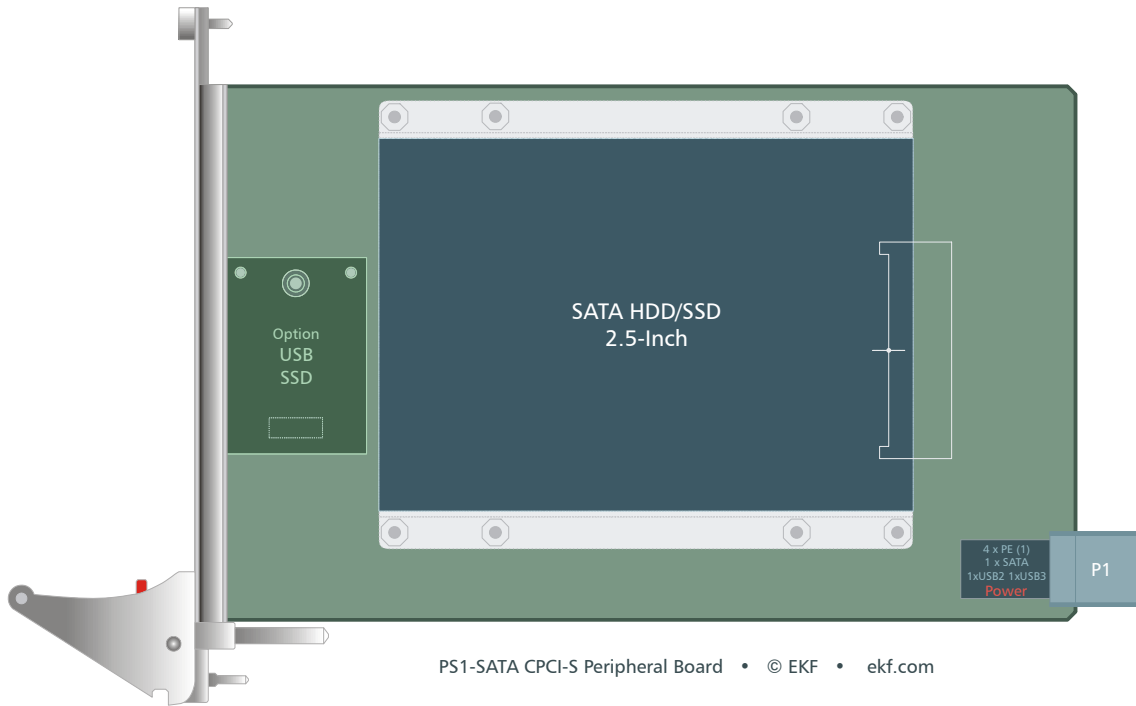
PS1-SATA with 1.8-Inch SATA SSD





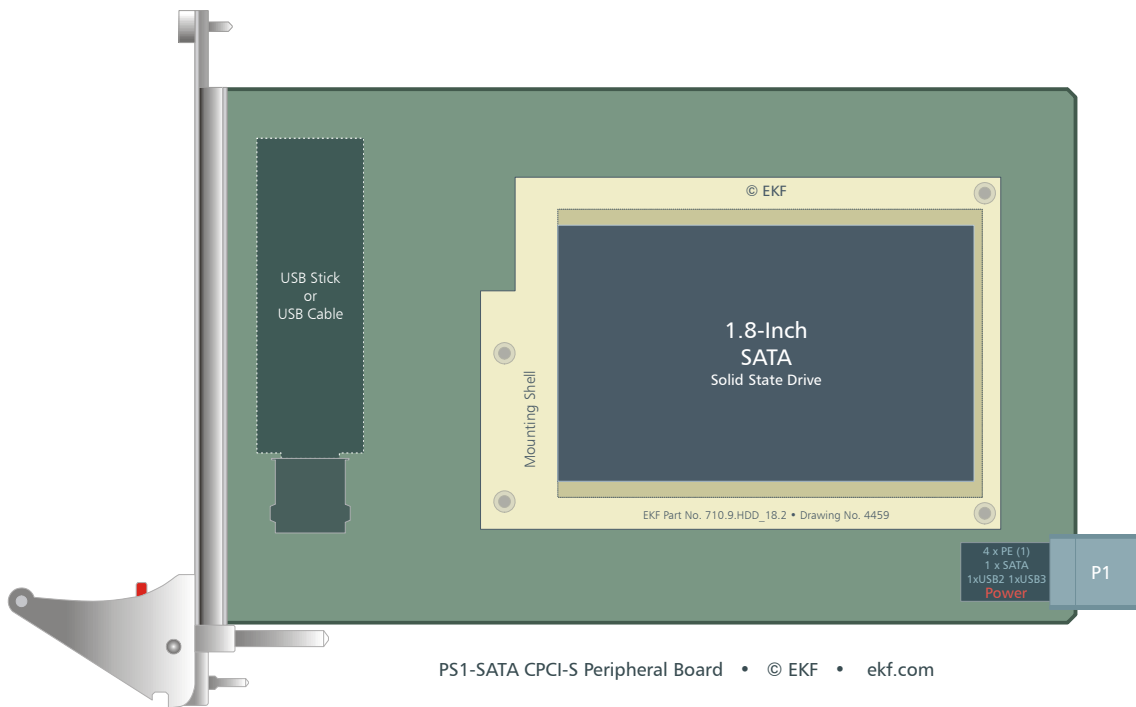
PS1-SATA with Front Panel Removable SSD

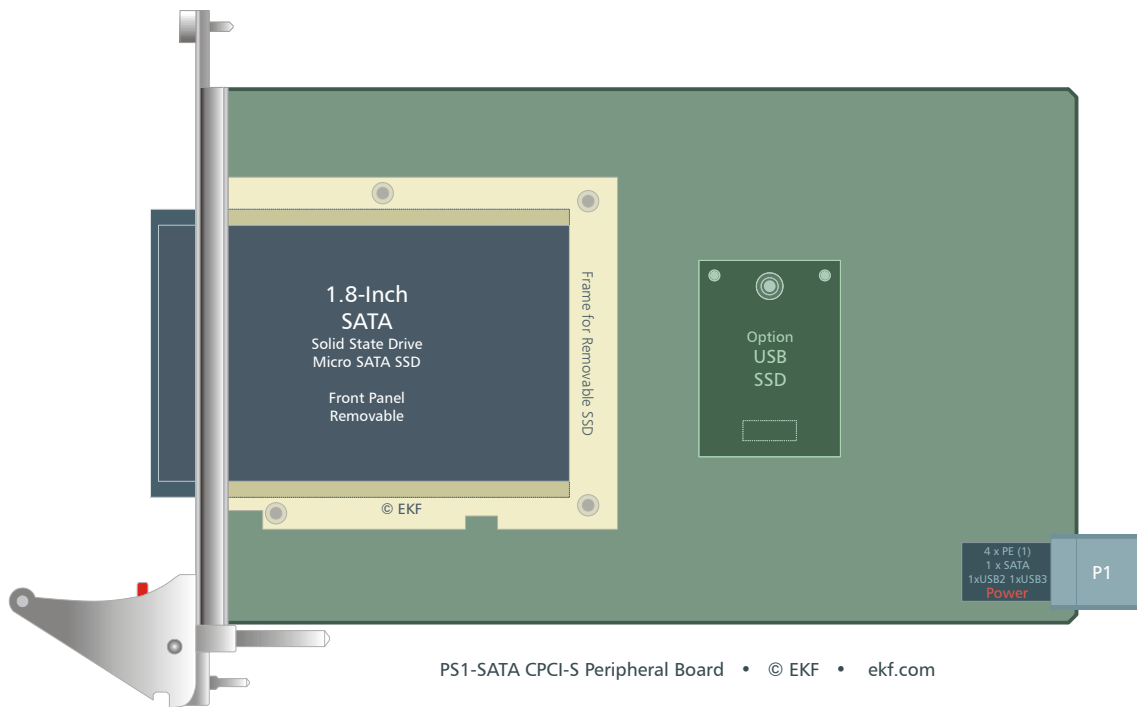




PS1-SATA CPCI-S Peripheral Board • © EKF • ekf.com



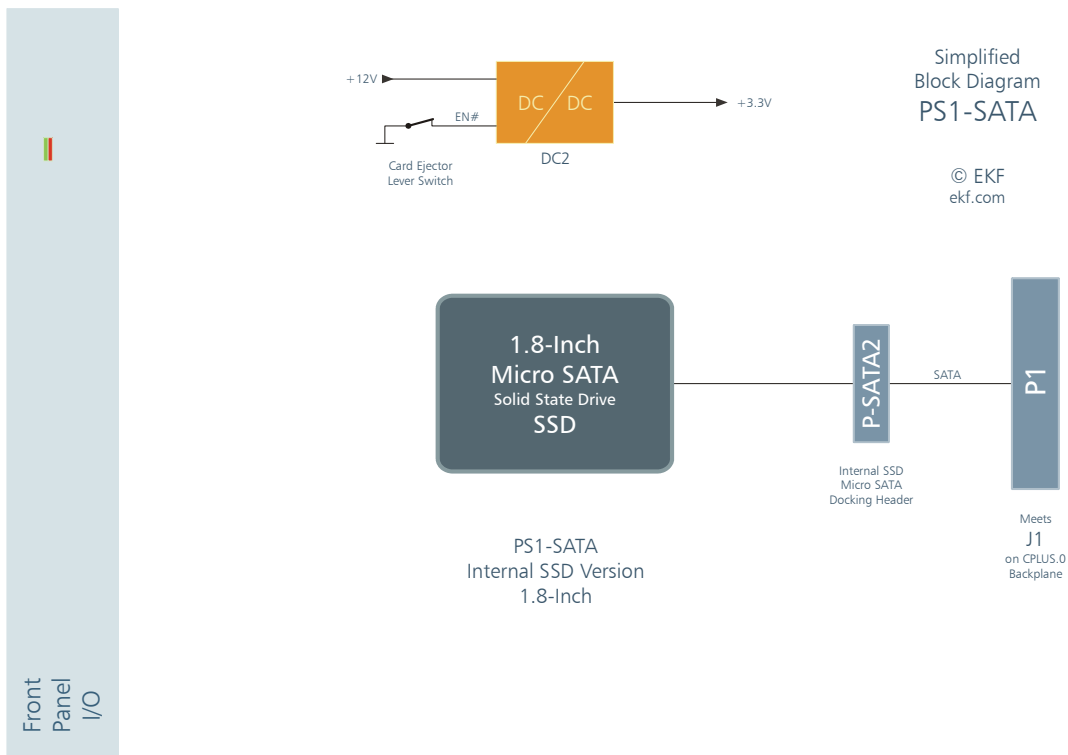
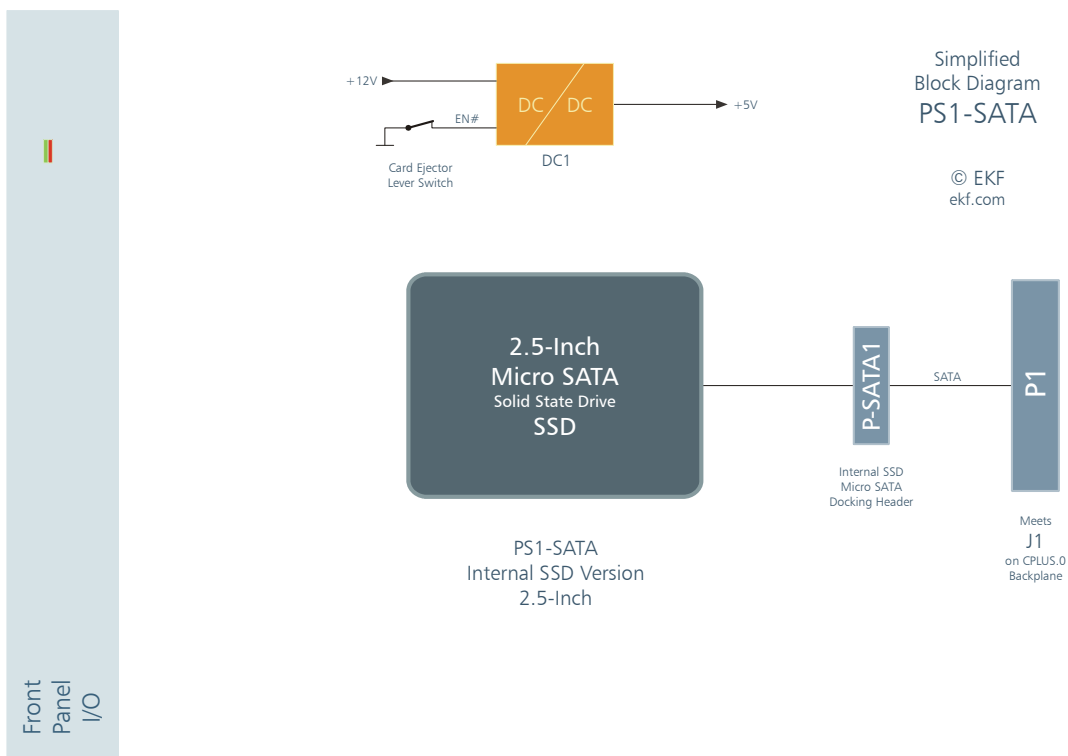


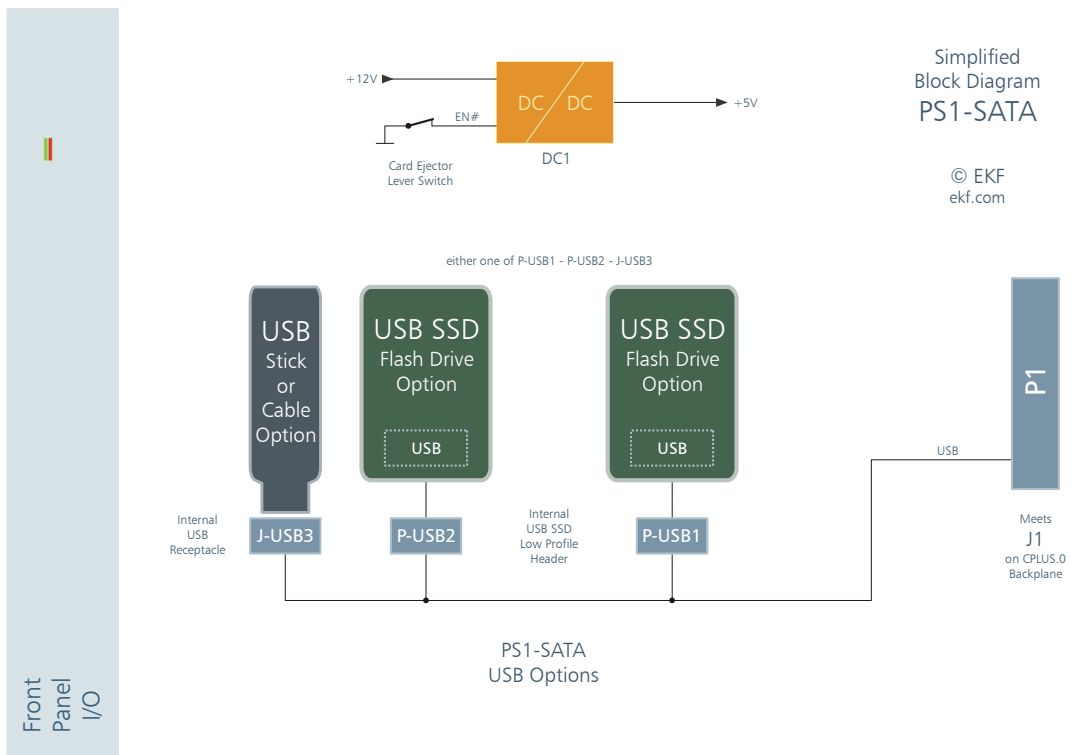
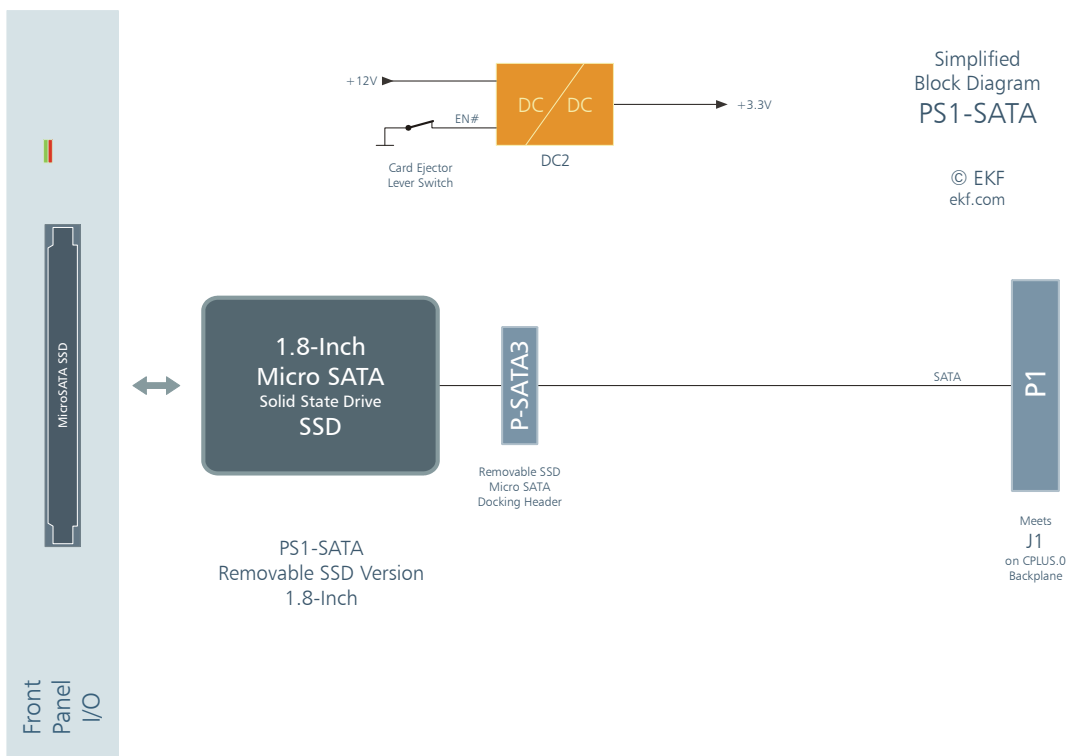


PS1-SATA CPCI-S Peripheral Board • © EKF • ekf.com

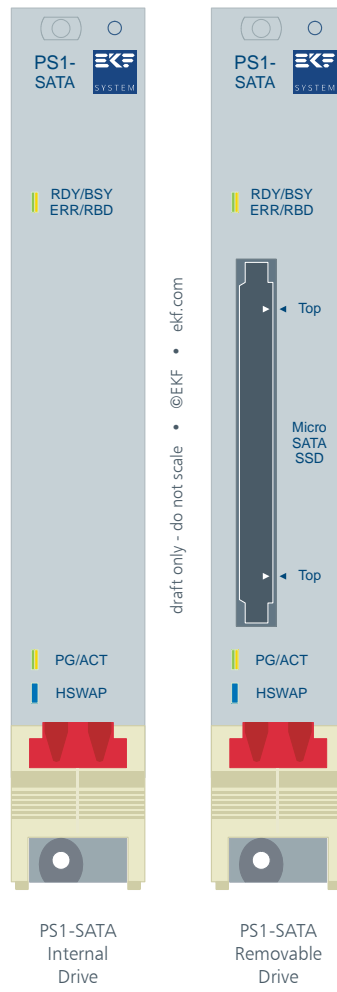


Block Diagram



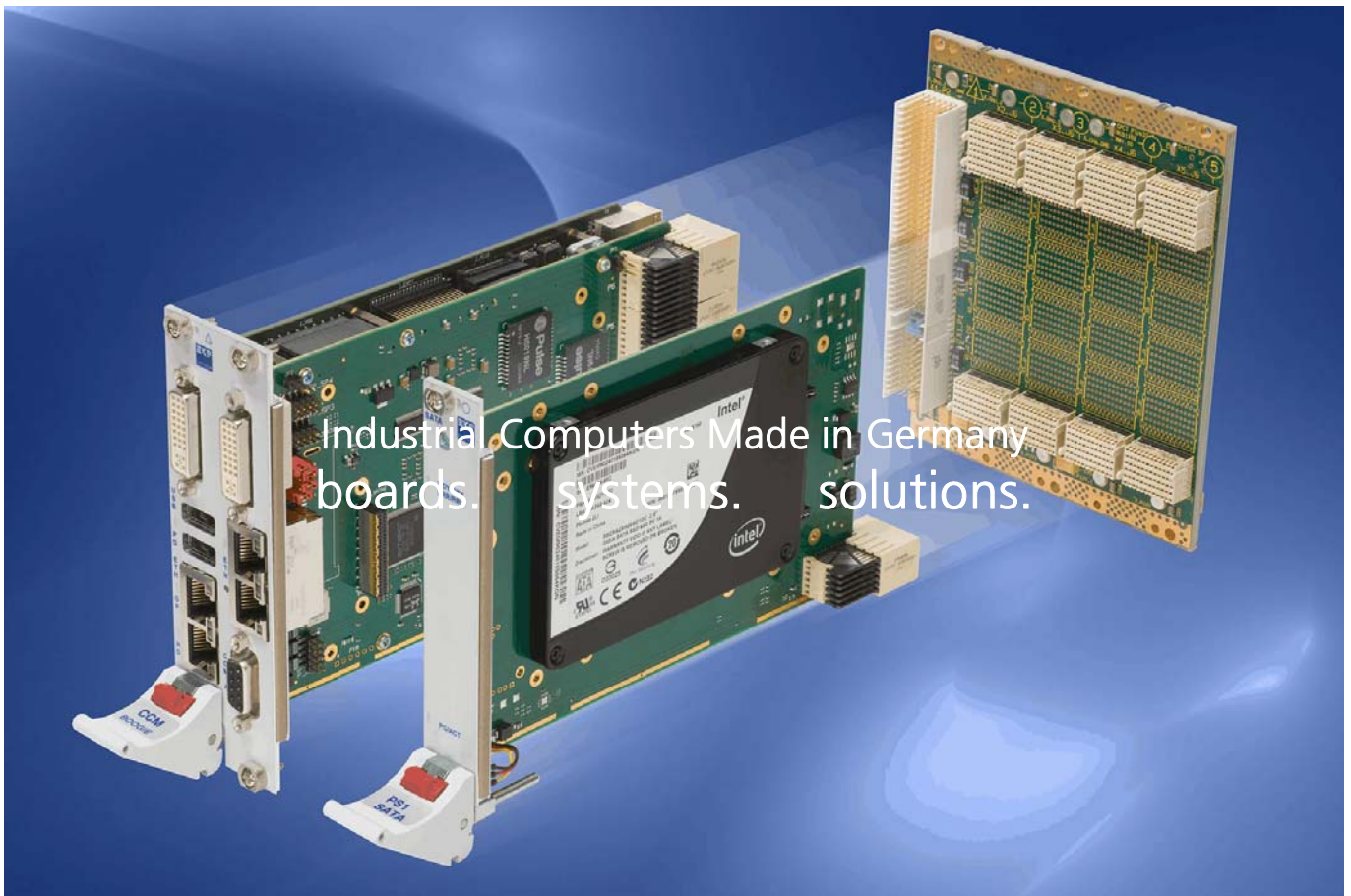


Front Panel Options





CompactPCI® Serial Connector P1



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