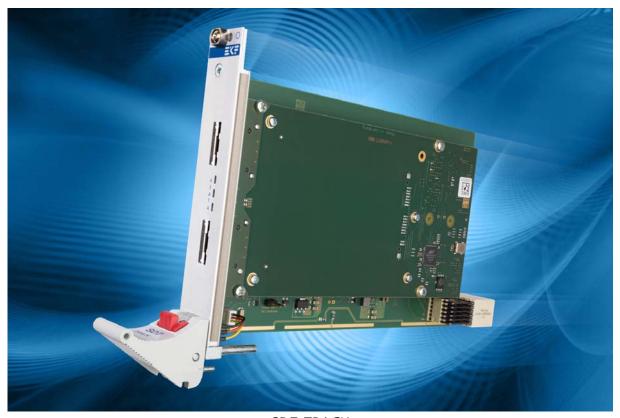**SYSTEM**

Product Information

SD7-TRACK

CompactPCI® Serial • Dual Channel eSATA Host Adapter

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General

The SD7-TRACK is a dual port eSATA host adapter for PICMG® CompactPCI® Serial systems. It is an assembly unit, comprised of the SK2-SESSION XMC module carrier card, and the DX2-COUGAR SATA 6G controller XMC module.

The SD7-TRACK is a CompactPCI® Serial peripheral slot board. Its eSATA front panel connectors are suitable for attachment of external SATA devices. Hardware RAID Level 0/1/10 is avialable.

SD7-TRACK

SD7-TRACK

Theory of Operation

The SD7-TRACK requires a single PCI Express® lane from the backplane, passed over across the connector P1 to a PCIe redriver circuit. The XMC module connector J15 is directly tied to the redriver circuit.

The on-board XMC module SATA III controller can be configured for hardware RAID level 0/1/10 operation as an option. Windows® WHQL drivers are available for download at http://www.ekf.com/d/dide/dx2/drv/.

Summary of Features

▸ PICMG® CompactPCI® Serial Standard (CPCI-S.0) Peripheral Slot Card

▸ Assembly Unit Comprising Carrier Board SK2-SESSION & XMC Module DX2-COUGAR

▸ Single Size Eurocard 3U 4HP 100x160mm^2

▸ CPCI-S Backplane Connector P1

▸ XMC Module Carrier Board, Equipped with XMC Connector J15

▸ PCI Express® Gen1 (2.5Gbps) or Gen2 (5.0Gbps) Supported

▸ Bidirectional PCIe ReDriver/Repeater for Optimum Signal Integrity

▸ PCI Express® Clock Buffer for Optimum Signal Integrity

▸ XMC Module Equipped with 6Gbps Dual Channel SATA Host Controller (eSATA 6Gbps not guaranteed, only 3Gbps specified by Serial ATA Rev. 3.0)

▸ eSATA Front Panel Connectors for Attachment of External Devices, up to 5m eSATA Cable Assemblies Available (eSATA cable length >2m not guaranteed, max. 2m specified by Serial ATA Rev. 3.0)

▸ Long Term Availability

▸ Rugged Solution (Coating/Sealing Available on Request)

▸ RoHS compliant

System Integration Options

The SD7-TRACK is a CompactPCI® Serial peripheral card. CompactPCI® Serial (CPCI-S.0) is a PICMG® standard for modular industrial computers, which provides high speed serial I/O (PCI Express®, SATA, USB, Gigabit Ethernet) over the backplane. The CPCI-S mechanical design is fully backward compatible to CompactPCI® Classic and will interoperate with existing systems, by means of a hybrid backplane.

Hybrid systems (providing card slots for both CPCI Classic & CPCI Serial) can be configured by means of a CompactPCI® PlusIO CPU card such as the PC1-GROOVE or PC2-LIMBO in combination with a suitable hybrid backplane.

Native CompactPCI® Serial systems (up to 8 CPCI Serial peripheral card slots) can be built around a suitable system slot CPU board such as the SC1-ALLEGRO.

SD7-TRACK Assembly Unit (w. Dual on-Board SSD)

Detailed Information

The SD7-TRACK is an assembly unit, which is comprised of a XMC module carrier card, and the XMC module itself. For more detailed information on these components please refer to the table below:

SD7-TRACK Elements		
SK2-SESSION	XMC Carrier	www.ekf.com/s/sk2/sk2.html
DX2-COUGAR	XMC Module	www.ekf.com/d/dide/dx2/dx2.html

Ordering Information

Ordering Information
For popular SD7-TRACK SKUs please refer to www.ekf.com/liste/liste_21.html#SD7

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