



Product Information

SD9-INDIE

CompactPCI® Serial • Dual Channel eSATA Host Adapter

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General

The SD9-INDIE 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 DX1-LYNX SATA controller XMC module.

The SD9-INDIE is a CompactPCI® Serial peripheral slot board. Its eSATA front panel connectors are suitable for attachment of external SATA devices. Shielded eSATA cables are available up to 5m length.



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Theory of Operation

The SD9-INDIE 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 controller can be configured for hardware RAID level 0/1/10 operation as an option. Windows WHQL drivers are available for download at <ftp://driver.jmicron.com.tw/>.

Summary of Features

- ▶ PICMG® CompactPCI® Serial Standard (CPCI-S.0) Peripheral Slot Card
- ▶ Assembly Unit Comprising Carrier Board SK2-SESSION & XMC Module DX1-LYNX
- ▶ Single Size Eurocard 3U 4HP 100x160mm²
- ▶ 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 3Gbps Dual Channel SATA Host Controller
- ▶ eSATA Front Panel Connectors for Attachment of External Devices
- ▶ Commercial and Industrial Temperature Range
- ▶ Long Term Availability
- ▶ Rugged Solution (Coating/Sealing Available on Request)
- ▶ RoHS compliant

System Integration Options

The SD9-INDIE 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.



SD9-INDIE Assembly Unit

Detailed Information

The SD9-INDIE 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:

SD9-INDIE Elements		
SK2-SESSION	XMC Carrier	www.ekf.com/s/sk2/sk2.html
DX1-LYNX	XMC Module	www.ekf.com/d/dide/dx1/dx1_e.html

Ordering Information

Ordering Information
For popular SD9-INDIE SKUs please refer to www.ekf.com/liste/liste_21.html#SD9

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boards. systems. solutions.

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