

RapidExpress

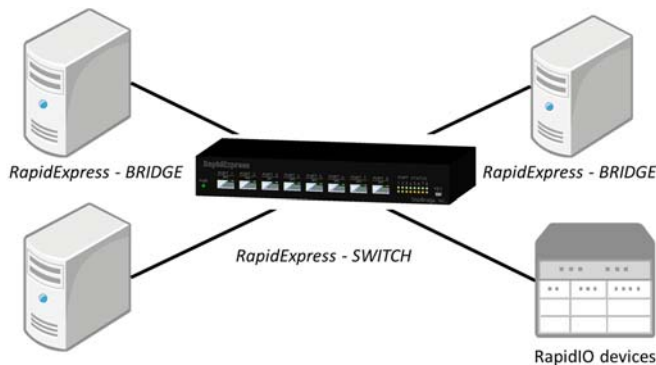
Serial RapidIO Gen 2 - Bridge and Switch

FEATURES

RapidExpress products enables high-speed communication between computing nodes and I/O nodes.

RapidExpress products fits wide range of high-performance systems such as Medical/Video Imaging, Industrial multiple processor systems.

Serial RapidIO supports robust, true peer-to-peer high-speed connection up to 5Gbaud.



ORDERING INFORMATION

SREB01 : PCIe-to-SRIO Bridge card

SRES01 : 8-Port SRIO Switch box

SREX01 : PCIe-to-SRIO XMC card

Please ask for copper and fiber cables

COMMON SPECIFICATION

LINK PROTOCOL

- Serial RapidIO Gen 2

LINK INTERFACE

- 4-lane ports
- QSFP connector
- Support low power mode QSFP transceiver

ENVIRONMENTAL

- +5°C to +45°C
- RoHS compliant

PCIe-TO-SRIO BRIDGE CARD

<SRIO DEVICE>

- IDT Tsi721 PCIe2-to-SRIO2 protocol conversion bridge

<LINK INTERFACE>

- One 4-lane Serial RapidIO Gen 2 port
- QSFP connector, copper or optical transceiver supported

<STATUS INDICATOR>

- SRIO port status
- IDT Tsi721 device status; PCIe link, Interrupt pending, ECC error
- QSFP module status

<OTHER FUNCTION>

- JTAG interface



SRIO 8-PORT SWITCH BOX

<SRIO DEVICE>

- IDT CPS-1432 SRIO2 central packet switch

<LINK INTERFACE>

- Eight 4-lane Serial RapidIO Gen 2 port
- QSFP connector, copper or optical transceiver supported

<STATUS INDICATOR>

- SRIO port status
- QSFP module status

<OTHER FUNCTION>

- RapidFET USB interface
- Hardware reset switch



PCIe-TO-SRIO XMC CARD

<SRIO DEVICE>

- IDT Tsi721 PCIe2-to-SRIO2 protocol conversion bridge

<LINK INTERFACE>

- One 4-lane Serial RapidIO Gen 2 port
- QSFP connector, copper or optical transceiver supported

<STATUS INDICATOR>

- SRIO port status
- IDT Tsi721 device status; PCIe link, Interrupt pending, ECC error
- QSFP module status

<OTHER FUNCTION>

- JTAG interface
- VITA42 Compliant



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