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

SREBO1 : PCIe-to-SRIO Bridge card
SRESO1 : 8-Port SRIO Switch box
SREXO1 : 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

<SRI0 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

<SRI0 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

<SRI0 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
● VI942 Compliant

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