

PCI/104-Express Solid State Storage Module

Features

- 32-128 GB per desk
- 128 Gb – 2 Tb (main with 3 Add-on Flash Cards)
- 3Gb/s SATA-II Interface
- Greater than 200MB write/read performance
- RAID 0/1/10/JBOD (with 3 Add-on Flash Cards)
- Automotive, kiosk, gamecard application

**Drive Capacity**

- 32-512 GB per desk
- 128 Gb – 2 Tb (main with 3 Add-on Flash Cards)

Interface

- SATA/SATA-II (1.5/3 Gb/s)

Interface Connectors

- PCI/104-Express connector
- SATA Edge Connector (7 pins)

Environmental

- Industrial: -40 °C to 85 °C (40 °F to 158 °F)
- Commercial: 0 °C to 70 °C (32 °F to 158 °F)
- Humidity: 95 % non-condensing

Performance

- Read/write performance greater than 200 MB/s

Power Requirements

- +5V DC ($\pm 5\%$)

Dimensions

- Length: 9.5885 cm/3.775"; width: 9.017 cm/3.55"

Form Factor

- PC/104 form factor

Platform

- Suitable for any platform

Compliance

- RoHS compliant

Overview

TSSD-01, the solid state storage module, which designed using the NAND technology. Through that a card is projected as a strong robust, TSSD-01 is immune to corruption caused by vibration, shock and extreme temperatures.

The total capacity of the disk space with three flash add-on cards is 2 TB. The controller allows to implement RAID 0/1/10/JBOD functionality.

The Flash add-on cards are mechanically mountable to the carrier board and they can be operated in the extended operating temperature range, which will allow to use the module for the industrial, medical, telecommunications and other markets.