

RAID104 and TinyRAID104

PC/104 DiskOnChip Carrier Module

Features



- PC/104 compliant
- 5V only operation
- Extended temperature 0°C to 70°C available
- Full boot capability
- Embedded TrueFFS provide full hard
- read/write compatibility MD104



RAID (Redundant Array of Independent Disks) is a system of improving data storage reliability and performance. These solutions are targeted for high security, high data reliability applications utilizing solid-state disk (SSD) memory storage for increased performance in hostile environment or high vibration situations.

The TinyRAID104 is capable of 84MB of RAID-0 data storage or 48MB at RAID-1 protection. The more sophisticated RAID104 is configured with six SSDs providing RAID-0 function, and two SSDs providing RAID-5 redundancy. Total data storage of the RAID104 is a whopping 288MB. Fault tolerance is brought to a pinnacle, and the RAID104 can withstand the failure of 7 different independent solid state flash drives before the complete data storage subsystem is brought to a halt.

Mechanical and Environmental

Current Consumption

- 110mA Standby
- 150mA Read / Write

Humidity

- 5% to 95% relative humidity-
noncondensing

Operating Temperature:

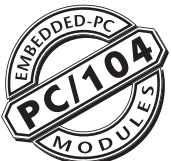
- -0°C to +70°C

Size

- RAID104: 3.78" x 3.55" x 0.58"
- TinyRAID104: 1.55" x 3.55" x 0.58"

Weight

- RAID104: 3.64oz / 103g
- TinyRAID104: 2.18oz / 62g



Ordering Information

Part Number	Description
RAID104	Memory Disk with 8x 48MB DiskOnChip sockets
TinyRAID104	Memory Disk with 2x 48MB DiskOnChip sockets



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