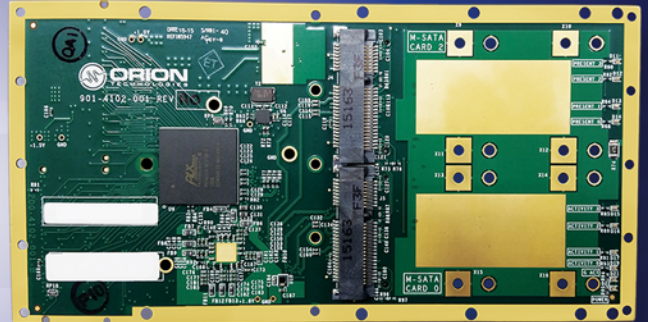


PMC4102

PMC Flash Storage Module Quad mSATA SSD Carrier



Power and Flexibility

The Orion PMC4102 Flash Storage Module is a flexible, rugged, high-performance mSATA carrier card that is capable of storing Terabytes of data using up to four 6Gb/s mSATA sites.

The high-performance PMC Bus supports the PCI-X protocol, with a 64-bit wide parallel data path running at 133MHz. It also supports conventional PCI operation for maximum compatibility.

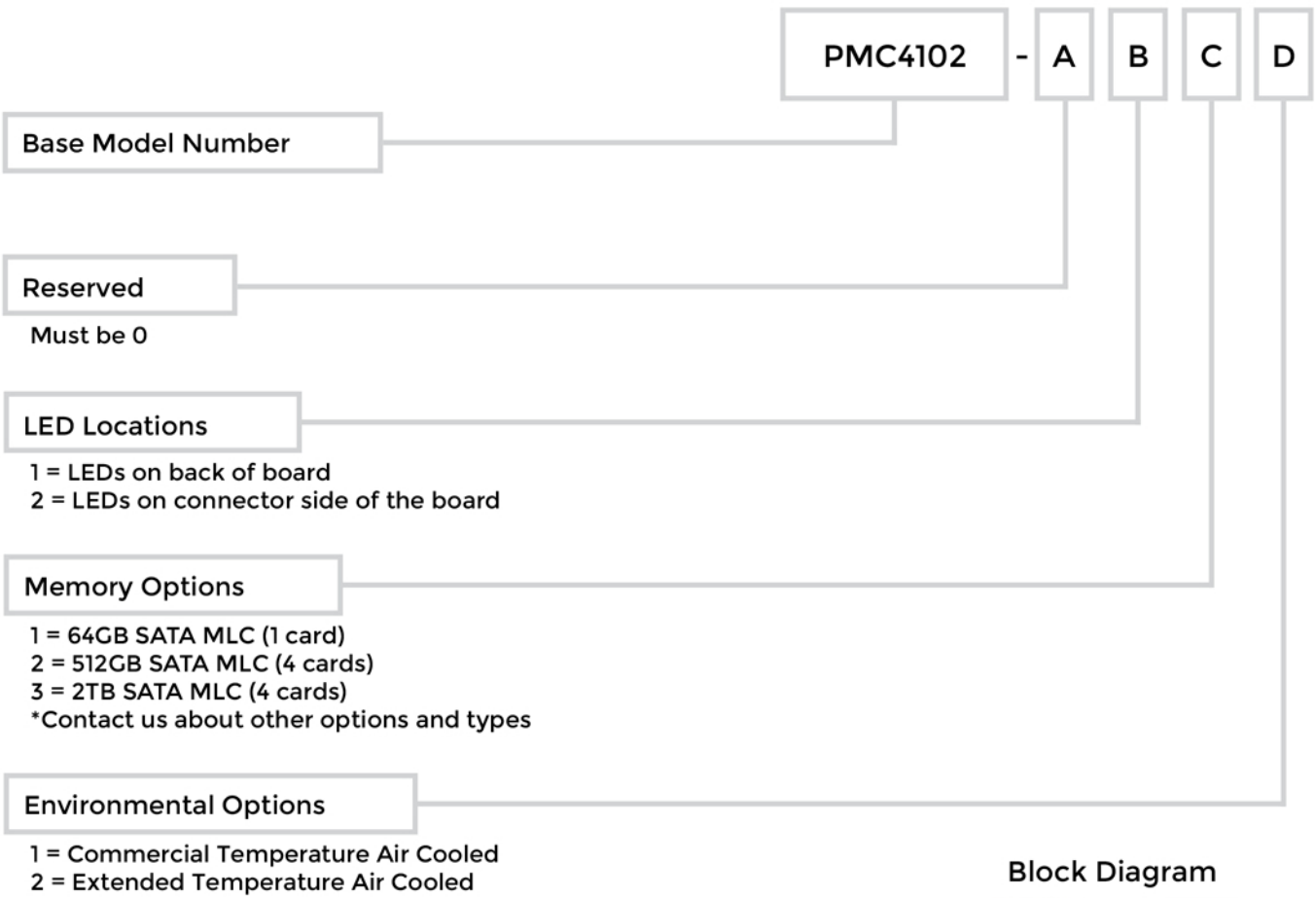
The SATA controller presents a standard AHCI 1.0 interface that is supported natively by most operating systems. Generations 1, 2, and 3 of the SATA wire protocol are supported to allow communication with mSATA payloads at 1.5, 3, or 6 Gbps.

Features

- PMC interface supports PCI-X at up to 133MHz
- PCI-X (v 1.0b): 64 bits at 133, 100 or 66 MHz
- PCI: 32 or 64 bits at 66, 50, 33 or 25 MHz
- 8-outstanding split transactions
- Internal arbiter supports up to 4 external masters
- 3.3V I/O
- Up to Four 6Gb/s mSATA sites
- SATA 3.0 compliant
- 6Gb/s SATA PHY with speed negotiation to backward support 3Gb/s and 1.5Gb/s
- Up to 1GB/s of data throughput
- Native Command Queuing
- 32 outstanding commands per port for high performance
- Standard AHCI interface supported by most Operating Systems
- Native Linux Support
- Native Windows Support
- LynxOS 5.0 Driver Support
- ExtendedTemp: -40°C to +85°C



Options Guide



Block Diagram

