



# V Rose Microsystems, Inc.

[www.vrosemicrosystems.com](http://www.vrosemicrosystems.com)

**VRM-C23-SATA**

## Product Data Sheet

### Overview:

Available as a mezzanine add-on expansion module (aka side board) to several VRM CompactPCI® CPU cards, the C23-SATA provides additional I/O functions. First of all, the C23-SATA comprises an SATA/PATA controller, which is useful for system internal attachment of mass-storage devices (e.g. hard disks or SATA SSD, and optical drives), optionally aggregated as RAID.

Furthermore the C23-SATA is equipped with an SIO, which provides legacy I/O ports, such as serial COM ports, and PS/2 KB/MS. A secondary Firmware Hub can be configured as alternate- or backup-BIOS. Another option available is the Trusted Platform Module according to TPM 1.2 for safety critical applications.

The C23-SATA will be attached on top of the CPU carrier board, and typically shares its front panel with the host carrier (usually 8HP front panel width in total).

Interconnection between the C23-SATA I/O module and the CPU carrier board is achieved by two expansion connectors, which comprise the PCIe (PCI Express x 1) and LPC (Low Pin Count) interfaces.

As an option, the C23-SATA can accommodate a low profile industrial grade USB Flash disk module (Silicon State Drive).

The on-board Audio Codec might be useful for applications such as passenger information systems.



### Ordering:

**VRM-C23-SATA:** SATA Raid Controller, Mezzanine Expansion Module

