

» CP-ASM3-RAID «



CompactPCI®

Ruggedized modular 3U CPCI RAID Server for up to 8 HDD's

- » Highly Reliable CompactPCI System
- » High-Performance RAID Controller
- » Network Power Management Controller
- » Modular & Open System Architecture

The fanless modular 3U CompactPCI CP-ASM3-RAID is designed for mobile applications in harsh environments. The heart of the system is the high-performance RAID controller which fulfills all requirements for data integrity and security. Utilizing up to 8 hot-swap hard disk drives the system provides a storage capacity of several terabytes, depending on the hard disk in use. These hard disks drives can be organized as RAID 0, RAID 1, RAID 5 system which guarantees maximum safety and scalability.

The integrated system management module monitors the system voltages and operating temperatures. It can also be used to power up or shut down the server over LAN. The passively cooled Intel® Celeron® M processor running at 1.06GHz provides maximum performance at minimum power consumption. This system controller comes with 512Mbyte RAM and a CompactFlash disk to run e.g. video surveillance and multimedia display applications. For applications with additional requirements, the open system architecture allows integration of further modules to enhance the system functionality. The DC input power supply can be adapted for all common voltages in mobile applications.

Technical Information

System Configuration	84HP industrial housing, requires natural convection cooling 120 watt DC PSU System controller board RAID controller board System management module Up to 8 SATA HDD's on Carrier
CPU Board	Intel® Celeron M Processor, 1.06 GHz, 1MB L2 Cache Intel® 945GM & ICH7R Chipset 512 MB RAM
Power Supply	24VDC, M-Type, 120 watt Other voltages on project request
Management Module	Power and Ethernet switch with voltage & temperature sensors M12D-coded Ethernet input M12A-coded power input Serial RS232 interface at RJ45 connector for management
RAID Controller	Intel® I80219 based RAID0/1/5 or JBOD drive Support of up to 8x 2.5" SATA II hot-swap hard disk drives Status & Activity LED's Serial RS232 management port
General	
Dimensions	84TE, 3U
Temperature range	0°C to +55°C, EN50155/T1 (option)
Humidity	95% RH at 25°C to 55°C, cyclic (acc. to IEC 60068-2-30)
Power Consumption	24VDC, max. 55W, max. 5W standby
Compliance	CompactPCI Specification PICMG 2.0 Rev. 3.0 EN50155 (Railway) EN50121-3-2 (EMC, Railway) EN50155 (Railway Safety) Designed to meet or exceed: Safety: IEC60950-1, EN60950-1, UL60950-1 EMI/EMC: EN55022, EN55024, EN61000-6-2

Ordering Information

Article	Description
CP-ASM3-RAID	3U CompactPCI 84HP RAID Server with CP307, Management Module, HW RAID Controller, 8x HD Carriers (hard disks to be ordered separately)

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#CP-ASM3-RAID# 08052009PDL
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