

# EnhanceRAID™ R4 CR1000

USB, FireWire & eSATA Combo RAID Storage

[www.enhance-tech.com](http://www.enhance-tech.com)



## Product Overview

**EnhanceRAID™ R4 CR1000** is a cost effective stand-alone 1U rackmount combo RAID storage appliance with built-in OS transparent RAID engine that targets security surveillance, HDV editing, SMB, workgroup, and departmental backup usage. It comes with a hardware embedded RAID engine that wraps four (4) SATA disks into one RAID protected (0, 5) volume, while connecting to a host computer with either USB2.0, FireWire400/800, or eSATA port. EnhanceRAID™ R4 CR1000 is ideal for SMB backup, workgroup productivity, email archive, and provides the fastest, simplest, safest way to store protected data from DVR, desktops, networks and workgroups through FireWire,USB or eSATA interfaces.

## Easy Management

EnhanceRAID™ R4 CR1000 system is unparalleled in its simplicity, ease of use, installation, and storage management. User can monitor the disk array and manage RAID controls with buttons on rear control panel, no additional management software is needed.

## High Data Availability

R4 CR1000 features high-speed SRAM for streamlining data transfer and buffering, and offers RAID data protection while delivering satisfying performance for most applications with efficient I/O optimization processing intelligence. Drive failure detection, automatic drive rebuild, hot spare assignment and background rebuild functions makes it possible for users to monitor and address system conditions. In addition, the EnhanceRAID R4 CR1000 storage system supports over 2TB capacity using the eSATA connection on Windows Server 2003 or Windows Vista, which transfers to longer video recording hours or higher-resolution video in a digital video recorder, or more accounts in a mail server. FireWire or USB connection only supports under 2TB capacity on all available operating systems at this time.

## Ideal Application

- Email Archives
- Data Protection
- Digital Video Recording (DVR)
- Digital Surveillance (Security)
- Digital Audio Recording
- Desktop Publishing

## RAID Management

- Supports RAID levels 0, 5
- Supports online bad recovery and reallocation
- Automatic fast data rebuild
- 2TB Plus capacity using eSATA on Win2003 / Win Vista
- Under 2TB capacity using FireWire or USB on all OS

## System Management

- Driverless: need no driver on host side
- LED indicators for disk status
- LCD panel for operation status display
- Password protection for access control (optional)
- Support fan and temperature monitoring
- RAID level selection by switch or LCD
- System status monitoring through rear control panel LCD
- Easy RAID management using rear control panel buttons



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## System Specifications

- Max. Number of HDDs: 4+ SATA HDDs
- Max. HDD Capacity 750GB through eSATA (Win2003/Win Vista)
- Max. HDD Capacity 500GB through FireWire or USB on all OS
- Max. System Capacity up to 3.0TB on eSATA (Win2003/Win Vista)
- Max. System Capacity under 2.0TB on FireWire or USB on all OS
- OS Independent & Transparent
- **Hot-Swappability** 4 x Removable HDD Tray
- **Drive failure** 1 LED indicator for each HDD
- **System fan** 4 x 4cm high speed fans
- **Status LEDs** 1 x access LED for each HDD
- **Fan-fail LED** 1 x fan-fail LED
- **Mute button** 1 x mute button for fan
- **Power Supply** AC Input: 100-240V
- **Dimensions (H x W x D)** 1.75 " x 17 " x 21.5"
- **Weight (without disk)** 26 Lbs

## Product Highlight

- Supports USB 2.0 host interface
- Supports FireWire 400/800 host interface
- Supports external SATA (eSATA) host interface
- Supports SATA disk interface
- RAID monitoring through rear control panel buttons

## Physical & Environment

- **Operating Temperature** 5°C ~ 40°C
- **Non-Operating Temperature** -20°C ~ 60°C
- **Relative Humidity** 5% to 90% non-condensing

## Package Includes

- 1+ FireWire800 IEEE1394.B Cable
- 1+ USB Cable
- 1+ eSATA Cable
- R4 CR1000 Rackmount RAID Storage Enclosure
- 4 pcs Hot-Swap Removable HDD Tray
- User Manual
- Accessory Box

## Manufacturer Warranty

- 2 years limited manufacture warranty
- Advanced Replacement 30 Days



To find an authorized dealer worldwide

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