

THE GUARDIAN – Secure Encrypted Raid System

Rocstor Unveils Its Newest Product Line THE GUARDIAN, the Most Secure Raid Sub-System in the World; Highly Secured by Hardware, Real-Time AES-256 Encryption; Designed for Professionals Who Demand Higher Encryption Data Security with Unprecedented Capacities in Raid modes.

Canoga Park, (Los Angeles) California – January 1, 2009 – Rocsecure a division of Rocstor, a leading provider of fast and high-capacity data storage and encryption solutions, is announcing its new line of Raid Sub-System **The Guardian**. These highly secure encrypted Raid systems are available in both Tower and 1U Rack Mount models, up to 8 Terabytes of Hot-Swappable, hard drives and data transfer speeds of 3GBits/s to and from the host. THE GUARDIAN is also compatible with both Windows® and Macintosh® Operating Systems.



Desktop 4Bay Tower or 1U Rack Mount, eSATA secure RAID System, with Real-Time Hardware AES 256-bit Encryption



Unsurpassed Value: Most Cost-effective encrypted SATA II RAID subsystem.

Application Flexibility: Extends useful life by adapting to future IT requirements.

Easy Installation, Upgrade & Maintenance: Provides a fast and easy way to install and upgrade the encrypted storage. Simplified maintenance reduces ongoing IT labor costs.

Exceptional Manageability: Graphic User Interface (GUI) allows remote management and configuration. Menu-driven interface ensures a convenient way to maintain storage through a user friendly LCD front console.

Green Power Thinking: Save power by use of “MAID” (Massive Arrays of Idle Disks) technology.

Features:

- eSATA (3 Gbits/s) single host interface.
- Up to **8 TB** of storage.
- Supports hot spare and automatic hot rebuild.
- Allows online capacity expansion within the enclosure.
- Also supports password protection.
- Built-in serial port interface for remote event notification.
- Transparent data protection for all popular operating systems.
- Built-in NIST and CSE certified **AES 256-bit** hardware cryptographic processor.
- Real-time full RAID subsystem encryption without performance degradation to safeguard the data.
- Secure RAID is also protected by a unique key for additional security.

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Guardian series Technical Specifications

Model

RAID Processor
 Encryption processor
 RAID level
 Cache memory
 No. of channels (host + drive)
 Hot bus interface
 Drive bus interface
 Data transfer rate
 Hot-swap drive trays
 Over 2TB support

Secure Raid 4 bay series

400 MHz storage I/O processor
 Enova X-Wall MX-256 AES encryption processor
0, 1, 0+1, 3, 5 and JBOD
 128MB
 1 + 4
 eSATA
 SATA II (Up to 3.0 Gbits/s)
 Up to **3.0 Gbits/s** (SATA II)
 Four (4) 1-inch trays
**Windows 2000/SP3, XP/SP1 or later, Vista
 Mac OS or later, Linux** (kernel 2.6 or later)

As well as: Cooling fans, Password protection, Audible alarm, Failed drive indicators, Failed drive auto rebuild, Online consistency check, Online expansion, Array Roaming, Online RAID level / stripe size migration Instant availability and background initialization, Environment monitor unit, Auto spare support, Bad block auto-remapping, Remote Web-based GUI management, MAID support, Smart-function LCD panel, Real-Time activity and status indicator.

Power supply

Guardian 4RT-180W w/ PFC and Guardian 4RM-220W w/ PFC

Power requirements

AC 90V ~ 264V full range, 5A ~ 3A, 60Hz ~ 50Hz

Available part numbers and capacities:
 (8TB will be available in 1st quarter 2009)

Guardian 4RT, Tower: J400Q2-56=4TB & J400T2-56 = 6TB
 Guardian 4RM, 1U: J401Q2-56=4TB & J401T2-56 = 6TB
 Guardian 4RT, Tower: J400xx-56=Enclosure Only (No Hard Drives)
 Guardian 4RM, 1U: J401xx-56=Enclosure Only (No Hard Drives)

Environmental

Relative Humidity

20% ~ 85% Non-condensing

Operating Temp

10C ~ 40C (50F ~ 104F)

Physical Dimensions

Guardian 4RT- 9(H) x 5.6(W) x 12.7(D) inches
 226(H) x 149(W) x 322(D) mm
 Guardian 4RM - 1.75(H) x 19.15(W) x 22.4(D) inches
 44.4(H) x 486.4(W) x 569(D) mm

Weight

Guardian 4RT -17.5 lb (8.0kg) or 23.5lb (10Kg) w/ 4

HDD's

Guardian 4RM-16.8lb (7.6kg) or 21.2lb (9.6Kg) w/4

HDD's

Availability: THE GUARDIAN series will be available in February 2009, in variety of capacities, throughout our national and International Dealer/Reseller Channel. For more product information, visit <http://www.rocstor.com>

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Integrated/Assembles/Designed in U.S.A.
Using domestic and/or foreign components.
Rocstor is a California Company, USA

About Rocstor:

Rocstor offers the most extensive range of desktop and rack-mounted RAID storage hardware, at the most competitive prices. Rocstor's product line features cutting-edge technologies that are tested rigorously and proven for solid reliability. By coupling new designs with state-of-the-art technology, Rocstor is now one of the major players in the world of digital security.

Rocsecure—a division of Rocstor—is the industry leader in Secure Encrypted digital data content storage. Between their Rocbit and Rocsafe product lines, Rocsecure is able to offer secure Real-Time hardware data encryption AES 256-Bit and up to 192-Bit Triple DES encryption with multiple interfaces and cross-platform compatibility in both external and notebook-centered solutions. For more information, visit www.rocsecure.com

Press Inquiries:

Ian Cohen - IGC Public Relations
310.457.4291
press@rocstor.com

Sales Inquiries:

Anthony Rink
818.449.2000
anthony@rocstor.com