

## Janus4503 12 bay RAID Bundles

The Janus 4503 12 bay SATA II to iSCSI RAID offers storage of up to 24.0TB. Units are standard with 2 1Gb iSCSI ethernet hosts, 1GB memory cache (upgradeable to 2GB), & redundant 350W power supplies. JBOD, 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 RAID levels supported, with multiple RAID stripes possible. Available with battery backup. Standard 3 year warranty with 5 year option available. O/S independent. Advanced GUI for easy maintenance and monitoring. Fully modularized design allows quick parts replacement for high availability. Copy-on-Write snapshot & rollback functionalities are built into the controller to help further protect your data. VMWare certified.

This bundle pack contains a 12 bay Janus4503 RAID with choice of three hard drive sizes (1TB-2TB each), maintenance kit that includes a power supply, spare drive, drive tray, and fan module, and a five year parts and labor unit warranty.

Add a battery backup unit for only \$350.00 more.

Janus 4503 12 bay 2 port SATA II to iSCSI RAID

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- Pricing Description

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The Janus4503S is a single controller, iSCSI to SATA II RAID system. Its compact 2U - 12 bay chassis features hot-swappable power supplies and fans. The RAID controller, fans, and power supplies are modularized, allowing for easy removal from the rear of the unit. System setup is simple using a web browser, which allows easy remote configuration and monitoring. Copy-on-Write snapshot functionality is built into the controller to help protect your data. iSCSI protocol uses TCP/IP to transfer data, which only requires an ethernet interface, and enables easy integration into your current network infrastructure. iSCSI encapsulates SCSI commands and data into TCP/IP packets to transfer through a ethernet network. By using TCP/IP transfer, you ensure that the transmission is successful, providing a reliable means of transferring data. Also, using your current network infrastructure reduces the total cost of ownership. VMWare certified .

The Janus 4503 contains the following functions:

- Snapshot and Rollback: The Janus4503 implements a Copy-on-Write snapshot technology that utilizes a small pre-designated volume for the snapshot, known as the snapshot UDV. When the snapshot is initially setup, metadata, or a table of contents, of the original volume is copied, and thus makes the snapshot instantaneous. Before new data is written the original data is copied to the snapshot UDV, and the new data is written to the original data blocks. In the event of file corruption, accidental overwriting, or a virus infection, a rollback can be performed to restore any remaining original data.
- Volume Groups can be easily expanded using built-in GUI utilities, allowing your storage requirements to grow when your needs grow. Likewise, User Data Volumes (UDV) can be expanded online. A unique feature is RAID level migration, which allows you to upgrade, or downgrade, RAID levels online.: New physical disks can be added by expansion of a Disk Group (DG) while the unit remains online. During the process of expanding Disk Groups, defragmentation can be selected to move unused capacity to the ending LBA of a Disk Group. Defragmentation can also be selected at anytime there is unused storage space residing between Logical Disks.
- SCSI Enclosure Services (SES): This feature allows users to communicate using an iSCSI initiator to the RAID subsystem to monitor voltages, temperature, and other diagnostic information.
- MPIO MC/S Ready: Multipath I/O and Multiple Connection per session use physical paths to create logical paths between the host and storage device. If a physical path were to fail, the multipath software will use an alternate path to the storage device to enable users continued access to their data.
- CHAP Authentication: Challenge Handshake Authorization Protocol, or CHAP, is a powerful authentication method used for point-to-point user login. When using CHAP, the server will send an authentication key to the client for encrypting the username and password. By using the CHAP authentication, the user login process will be encrypted and secure.
- Link Aggregation or Trunking: Link Aggregation Control Protocol (LACP), part of IEEE 802.3ad, allows users to bind together both Ethernet ports of the Janus4503 into a single logical channel to increase bandwidth. Trunking uses similar binding methods, combining both Ethernet ports as a single logical port, can increase the bandwidth as well.
- Global or Dedicated Cache by Volume: Controller cache can be configured as Global or Dedicated for specific volumes. This function provides users the ability to dedicate more cache resources to a mission-critical volume to enable higher performance and reliability.
- Battery Backup (BBU): An optional BBU can be installed to ensure data integrity in the event of a power outage. The

BBU provides power to the on-board cache of the RAID controller in the event of a power outage. This will allow any data that is still stored on the cache to be saved until power is restored. Once power is restored, the RAID controller will flush the cache to drives.

#### Features

- Host Interface: iSCSI
- Data Transfer Rate: Up to 2Gbps
- Number of Host Channels: 4
- External Connector Type: Ethernet
- Controller CPU: Intel IOP342 RISC CPU
- Cache Memory: 1GB - 2GB DDR 333 SDRAM
- Disk Interface: SAS (3 Gb/sec)
- Number of Disk Channels: 12
- Hot Swap Disk Tray: 3.5" hot-swappable tray
- Hot Swap Fan: 2 x Turbo Fan
- Hot Swap Power supplies: 350 W x 2 Redundant
- AC Input Voltage: 100 to 240V (+/- 10%), 47 to 63 Hz
- RAID Levels: JBOD, 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60
- Data Rebuild: Automatic Data Regeneration
- RAID Features: Global or Dedicated Hotspare, Multiple Host ID, Multiple RAID Volume Group, Multiple User Data Volumes, and Foreground or Background Initialization, Array Roaming
- Remote Backup: Optional
- Snapshot: Yes (Copy-on-Write)
- Front Panel LCD and Buttons: Easy access for configuration and status report.
- RS-232 Terminal: User Friendly interface for configuration and status report
- Web browser GUI: Embedded GUI management interface
- Event Notification: Built-in buzzer, e-mail, SNMP, syslog, and windows & browser pop-up
- Management AP: Windows MPIO
- Humidity: 20% to 80% non-condensing
- Operating Temp: 5 °C to 40 °C
- Non-Operating Temp: -25 °C to 60 °C
- Safety Regulatory: UL, CUL, CB
- EMC Standard: FCC, CE, C-Tick, BSMI
- Physical Dimensions: 485 (W) x 565 (D) x 88 (H) mm
- Physical Weight: 19 Kgs (without drives)
- Packed Dimensions: 610 (W) x 790 (D) x 430 (H) mm
- Packed Weight: 28 Kgs (without drives) Additional Information

- PDF Data Sheet- Janus 4503
- Firmware and Manual Downloads
- Support and Contact Information
- RAID Parts & Accessories
- Janus4503 Maintenance Kit
- Related Products:
  - Janus6603 - 16 bay SATA II-iSCSI version
  - Janus6640 - 16 bay SCSI Attached version

Unit Pricing and Configuration Options      Janus 4503 with SATA II drives, Dual iSCSI Hosts:      20TB @ RAID5 Includes 12 2TB SATA II hard drives, 16MB cache, 7200rpm.#81-4503X2TB\$7,420Order Now  
 15TB @ RAID5 Includes 12 1.5TB SATA II hard drives, 16MB cache, 7200rpm.#81-4503X15TB\$6,690Order Now  
 10TB @ RAID5 Includes 12 1TB SATA II hard drives, 16MB cache, 7200rpm.#81-4503X1TB\$6,470Order Now