

EonNAS® 5100N

Unified Storage System



Highlights

- Consolidate file (CIFS, NFS, AFP, HTTP, FTP) and block (iSCSI) services for efficient utilization, management and protection
- Outstanding price/performance
- User-friendly web-based GUI for easy management
- Accelerate read/write operations by integrating low-latency SSDs to automatically and transparently enhance caching mechanism
- Flexible capacity scaling (up to 60 drives) accommodates rapidly growing data
- Thin-provisioning optimizes capacity utilization and simplifies storage planning and monitoring
- Fault-tolerant hardware design, RAID protection, snapshot and replication functionality ensure enterprise-class data availability

IT environments often include multiple storage infrastructures to accommodate various types of data and achieve different service levels. The scattered boxes for direct-attached storage (DAS), storage area network (SAN) and network-attached storage (NAS) configurations lead to poor utilization and complicated management. Infortrend's EonNAS 5100N is a unified storage solution for mid-tier file-based and block-based applications. Featuring NAS and IP SAN consolidation, SSD performance acceleration and enterprise-class availability, EonNAS 5100N is designed to help mid-sized businesses effectively meet diverse and changing application needs while staying within stringent budgets.

Easy Consolidation

Infortrend's EonNAS 5100N is a cost-effective solution for consolidating datacenters. It delivers outstanding price/performance and provides comprehensive software features at no additional fees. Combining file server and application storage into a single box, EonNAS 5100N can process data blocks transferred through IP SAN and support file-sharing between Windows and Linux/Unix clients on Ethernet. With its easy-to-use startup wizard, even IT generalists lacking storage expertise can quickly initialize the system to serve database, email and unstructured data while improving IT efficiency.

Simplified Management

Through an intuitive and user-friendly web-based interface, users can centrally configure, monitor, maintain and protect multiple EonNAS 5100N systems. EonNAS management software provides users with a complete system view ideal for monitoring long-term or real-time system status. Users can easily perform efficient tuning, accurate planning and quick troubleshooting. When any abnormal events are detected, the management software will automatically notify users so that pro-active measures can be taken to prevent downtime. The comprehensive management features make it easy to optimize EonNAS 5100N for business productivity.

Flexible Scalability

The "scale as needed" flexibility of EonNAS 5100N allows users to accommodate future applications while satisfying their current needs. To increase performance, users can integrate low-latency SSDs to automatically enhance caching operations and in turn accelerate I/O processing. For capacity expansion, EonNAS 5100N can connect with expansion enclosures to accommodate a maximum of 60 drives. Its included thin-provisioning capability optimizes capacity utilization with just-in-time resource allocation. Besides lowering total cost of ownership (TCO), the intelligent technology also simplifies management tasks of capacity planning and volume utilization tracking.

High Availability

To keep applications and services up and running, EonNAS 5100N is designed to operate with high availability. Its redundant, hot-swappable hardware components eliminate single points of failure. During drive failure, hardware-based RAID protection can ensure continuous data accessibility and integrity. To protect valuable data sets against more critical threats, EonNAS 5100N also offers snapshot and replication functionality. In case the storage is damaged by logical errors, physical errors or disasters, users are still able to obtain the highest data availability with minimum system downtime.

EonNAS 5100N



Architecture	
Processor	One (1) Quad-Core Intel® Xeon® E5000 Series
Memory	Default 4GB, up to 12GB for the server node ¹ Default 512MB, up to 2GB for back-end storage
Host Connectivity	Four (4) 10/100/1000 Base-T Ethernet ports
Drive Connectivity	Exclusively 3Gb/s SAS (up to 12 drives per system)
Configuration	Single-node
Supported Drives ²	300GB or 450GB - 3.5" 15,000 RPM 3Gb/s SAS drives 300GB, 450GB or 600GB - 3.5" 15,000 RPM 6Gb/s SAS drives
Expansion Enclosure (JBOD)	ES S12S-J1000-G ³
Controller	Single
Host Connectivity	Two (2) 3Gb/s SAS 4x wide ports
Drive Connectivity	Exclusively 3Gb/s SAS (up to 12 drives per system)
Power Supplies	Dual redundant 460W
Form Factor ⁴	2U, 19-inch rackmount
Max. Drives (via JBOD)	60
Form Factor ⁴	3U, 19-inch rack mount
Power Supplies	Dual redundant 650W for the server node Dual redundant 350W for back-end storage
Technical Highlights	
File Level Protocol	NFS, CIFS, AFP, HTTP, FTP
Block Level Protocol	iSCSI
Operating System Support ²	Windows Server 2003, Windows Server 2008, 2008 R2 (including Hyper-V), Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, Mac OS X, VMware
RAID Level	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
Data Service Features	Storage virtualization; snapshot; remote replication; thin provisioning; NDMP
Performance	Read/Write acceleration with two (2) 32 or 64GB SSD
Management	10/100 Base-T Ethernet management port; SNMP; dashboard monitoring; configurable alerts; start-up wizard
Security	Virus protection; NIS, AD and LDAP directory services
Service and Support ⁵	
Standard Service	3-year limited hardware warranty and 8x5 phone, web and email support
Upgrade/Extension Options	3-year replacement part dispatch on the next business day Advanced Service: 3-year 24x7 phone, email and web support + onsite diagnostics on the next business day Premium Service: 3-year 24x7 phone, email and web support + onsite diagnostics in four hours

¹ Upgrade path for memory is as follows: 4GB → 8GB → 12GB.

² For the latest compatibility details, please contact our sales representatives.

³ Supports the same drives as EonNAS storage systems.

⁴ For detailed dimensions, please refer to the Infortrend website.

⁵ All EonNAS systems are shipped with Standard Service.

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Asia Pacific
Infortrend Technology, Inc.
Tel: +886-2-2226-0126
E-mail: sales.ap@infortrend.com

Americas
Infortrend Corporation
Tel: +1-408-988-5088
E-mail: sales.us@infortrend.com

Europe (EMEA)
Infortrend Europe Ltd.
Tel: +44-1256-707-700
E-mail: sales.eu@infortrend.com

Germany
Infortrend Deutschland GmbH
Tel: +49-(0)89-207042650
E-mail: sales.de@infortrend.com

China
Infortrend Technology, Ltd.
Tel: +86-10-6310-6168
E-mail: sales.cn@infortrend.com

Japan
Infortrend Japan, Inc.
Tel: +81-3-5730-6551
E-mail: sales.jp@infortrend.com