



# EonNAS<sup>®</sup> 3000 Series Unified Storage Systems



## Highlights

- Consolidate file (CIFS/SMB, NFS, AFP, HTTP, HTTPS, FTP) and block (iSCSI) services for efficient utilization, management and protection
- Comprehensive software features at no additional costs
- Fault-tolerant hardware design; ZFS eliminates silent data corruption; snapshot and replication functionality ensure enterprise-class data availability
- Deduplication removes duplicated data to maximize capacity utilization
- Thin provisioning optimizes capacity utilization and simplifies storage planning and monitoring
- Flexible capacity scaling (up to 72 drives) accommodates rapidly growing data
- Accelerate Read/Write operations by integrating low-latency SSDs to automatically and transparently enhance caching mechanism
- User-friendly web-based GUI for easy management

IT environments often include multiple storage infrastructures to accommodate various types of data and achieve different service levels. Scattered boxes for different configurations lead to poor utilization and complicated management.

The EonNAS 3000 Series offers unified storage systems that enable SMBs, remote/branch offices or enterprise departments to efficiently deal with file- and block-based applications. The EonNAS 3000 systems provide enterprise-level scalability, strong data protection and maximized resource utilization. For optimized performance, the EonNAS 3230 is the ideal choice.

### Easy Consolidation

Infortrend's EonNAS 3000 Series offers a cost-effective solution for consolidating datacenters. The EonNAS 3000 systems deliver excellent price/performance and provide comprehensive software features at no additional costs. Combining file server and application storage in a single box, the systems can simultaneously process data blocks transferred through IP SAN and support file sharing between different clients. With an easy startup wizard, users can quickly initialize the systems to serve applications, while improving IT efficiency.

### High Availability

To keep applications up and running, the EonNAS 3000 Series is designed to operate with high availability. The systems offer snapshot and replication functionality to protect valuable data sets against critical threats. Space-efficient snapshots can serve as granular recovery points. Replication functions enable users to create data copies within and across systems that can be readily leveraged to resume production when original data is corrupt. In addition, ZFS offers end-to-end data integrity, eliminates silent data corruption and prevents data inconsistencies as a result of power outages. RAID technology adds another layer of protection.

### Optimal Resource Utilization

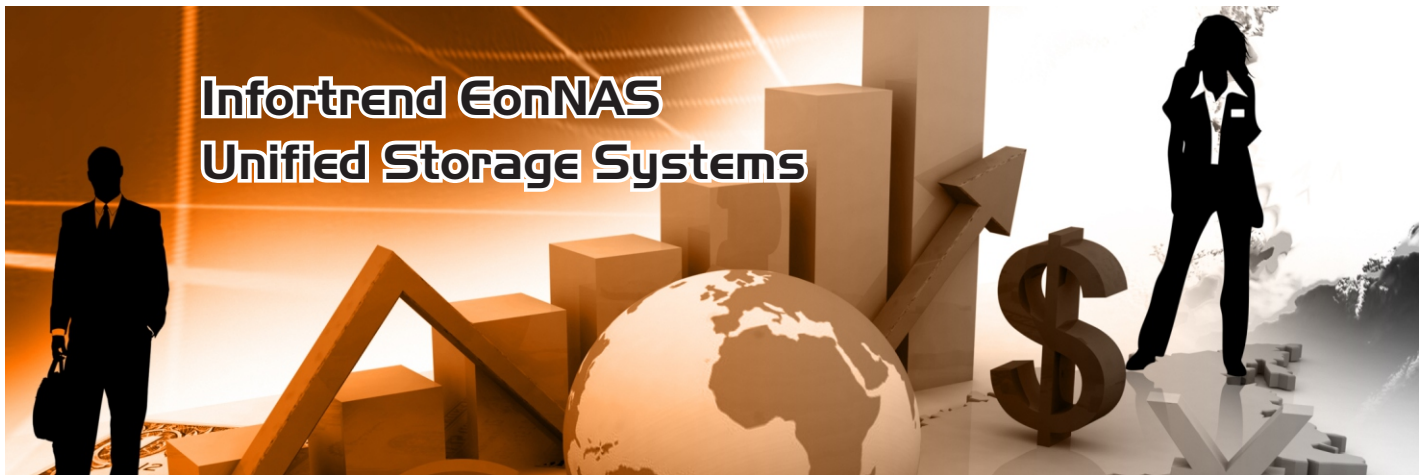
The deduplication feature on the EonNAS 3000 systems ensures that all duplicated data is removed, freeing up capacity that would be otherwise unnecessarily filled. Users can therefore optimize capacity utilization and save costs, as they can get much more mileage out of their initial storage acquisition. Thin provisioning optimizes capacity utilization by providing just-in-time capacity to applications when data is written. Besides lowering costs, thin provisioning simplifies capacity planning and utilization monitoring.

### Flexible Scalability

The "scale as needed" flexibility of the EonNAS 3000 Series allows users to accommodate tomorrow's applications while satisfying current needs. For capacity expansion, the systems can connect with expansion enclosures to accommodate a maximum of 72 drives. To increase performance, EonNAS 3220/3230 users can integrate SSDs to automatically enhance caching operations and accelerate I/O processing.

### Simplified Management

With a user-friendly web-based interface, users can centrally configure, monitor and maintain multiple EonNAS systems to optimize productivity. Management software enables users to monitor real-time system status and easily perform system tuning, accurate planning and quick troubleshooting. When abnormal events are detected, management software automatically notifies users so that pro-active measures can be taken to prevent downtime.



# Infotrend EonNAS Unified Storage Systems

	<b>EonNAS 3210</b>	<b>EonNAS 3220</b>	<b>EonNAS 3230</b>
<b>Architecture</b>			
Processor		One (1) Intel® Xeon®	
Memory	4GB	4GB <sup>1</sup> or 8GB	8GB <sup>2</sup> or 12GB
Host Connectivity		Four (4) 1GbE iSCSI ports	
Drive Connectivity		Exclusively 6Gb/s SAS (up to 12 drives per system)	
<b>Supported Drives</b> <sup>3</sup>		300GB, 450GB or 600GB - 3.5" 15,000 RPM 6Gb/s SAS drives	
<b>Expansion Enclosure (JBOD)</b>		EonStor DS S12S-J2000-G	
<b>Max. Drives (via JBOD)</b>	60	72 (to be increased to 120 by Q4, 2011)	72 (to be increased to 120 by Q4, 2011)
<b>Form Factor</b> <sup>4</sup>		2U, 19-inch rackmount	
<b>Power Supplies</b>		Dual redundant 550W	
<b>Technical Highlights</b>			
File Level Protocol		CIFS/SMB, AFP, NFS, HTTP, HTTPS, FTP	
Block Level Protocol		iSCSI	
Server OS Support <sup>3</sup>	Windows Server 2003, Windows Server 2008 R2 (incl. Hyper-V), Red Hat, SUSE, Sun Solaris, VMware, Citrix XenDesktop		
RAID Levels	0, 1(0+1), 5, 6, 10, 50, 60		
Data Protection	Snapshot, remote replication (Rsync with 128-bit SSH encryption), Apple Time Machine, ICAP-based virus scanning support, ZFS end-to-end data integrity, NDMP		
System Management	Start-up wizard, web-based GUI, dashboard monitoring, real-time system monitoring, configurable alerts, network time protocol, SNMP, UPS management		
Capacity Management	Deduplication, thin provisioning, compression, quota management, auto capacity expansion		
Network Configuration	IPv4 and IPv6 via DHCP, fixed/dynamic IP address, port trunking / link aggregation (IEEE 802.3ad), fail-over, jumbo frame		
Directory Services	NIS, AD, LDAP		
Performance Scaling <sup>5</sup>	-	Read/Write acceleration with two (2) SSD	Read/Write acceleration with four (4) SSD
<b>Service and Support</b> <sup>6</sup>			
Standard Service	3-year limited hardware warranty and 8x5 phone, web and email support		
Upgrade/Extension Options <sup>7</sup>	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 Two-year extended warranty option		

<sup>1</sup> Users can upgrade memory from 4GB to 8GB on the EonNAS 3220.

<sup>2</sup> Users can upgrade memory from 8GB to 12GB on the EonNAS 3230.

<sup>3</sup> For the latest compatibility details, please contact our sales representatives.

<sup>4</sup> For detailed dimensions, please refer to the Infotrend website.

<sup>5</sup> Please refer to Infotrend sales representatives for details on availability and compatibility.

<sup>6</sup> All EonNAS systems are shipped with Standard Service.

<sup>7</sup> Options may vary by region.

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