



# ESVA<sup>®</sup> iSCSI Series

## Enterprise Scalable Virtualized Architecture

### Highlights

#### Optimized ROI

- Ensures the most efficient allocation of consolidated capacity and computing power through thin provisioning and an access prioritizing mechanism
- Meets wide array of service level requirements with automated storage tiering

#### Simplified Infrastructure

- Reduces management overhead with a single point of administration
- Enables as-needed scaling without disrupting service

#### Maximized Productivity

- Eliminates planned downtime for storage scaling
- Supports the highest data availability and quick service restart after storage accidents with local and remote replication capabilities

#### Advanced Designs

- Achieves high fault-tolerant capability with High Availability (HA) modular design
- CacheSafe technology protects cached data during a power outage
- Reduces power consumption with energy efficient features



With the Infotrend ESVA iSCSI Series, users can leverage their current IP network investments to consolidate a powerful, reliable and flexible iSCSI SAN. When data storage demands increase with business growth, ESVA helps users deal with their diverse and changing application needs in a cost-effective way. Based on Enterprise Scalable Virtualized Architecture, the ESVA iSCSI SAN provides mid-range enterprises an ideal choice to optimize return on investment, simplify storage infrastructure and maximize application productivity.

#### Optimized Return on Investment

With storage virtualization technology, the capacity and computing power of multiple ESVA systems can be consolidated into a storage pool. For the most efficient utilization of pooled storage capacity and bandwidth, ESVA systems support thin provisioning and an intelligent access prioritizing mechanism on its virtual architecture. By enabling users to flexibly assign applications to four available tiers distinguished by different drive types and RAID levels, and offering automated data migration, automated storage tiering on ESVA helps users meet a wide array of service level requirements.

#### Simplified Storage Infrastructure

ESVA simplifies storage management by enabling a single point of administration. Scaling the storage pool is also a very easy task, and can be done without service disruption. ESVA systems can be scaled for increased capacity by connecting it to expansion enclosures. If you want to increase capacity and performance at the same time, you can also scale out the virtualized foundation by adding additional ESVA systems. When a new system is added, the distributed load balancing technology will dynamically balance workloads among storage systems and increase processing power.

#### Maximized Application Productivity

In the competitive business world, downtime not only causes profit loss but can inflict damage on corporate reputations. The revolutionary architecture of the ESVA eliminates planned downtime for storage scaling. To support business continuity, it comes with storage-based replication capabilities. Local replication offers snapshot images and full data copies in a single storage pool, while remote replication enables users to deploy full data copies across storage pools. You enjoy the highest data availability and minimized service downtime in the event of logical or physical errors.

#### Advanced Hardware Designs

All ESVA systems are based on High Availability (HA) modular design to achieve high fault-tolerant capability. In the event of a power outage, CacheSafe technology will automatically leverage power of the Battery Backup Unit (BBU) to safeguard cached data by writing it to the flash module for permanent retention. Green IT can benefit both business and the environment, and Infotrend enriches the ESVA Series with energy efficient designs, contributing to environmental sustainability while cutting energy costs for companies.

## iSCSI-host Series

### ESVA E75-2230

### ESVA E75-2230L

Hardware Configurations		
Host Ports	4 x 10Gb/s iSCSI ports+ 4 x 1Gb/s iSCSI ports <sup>1</sup>	
Drive Connectivity	6Gb/s SAS	
Cache Memory	16GB or 32GB	
Starting Configuration (No. of Drives )	8	
Supported Drives	2.5" SAS 6G MLC SSD - 200GB, 400GB or 800GB 2.5" 10K RPM SAS drives - 300GB, 450GB, 600GB, 900GB or 1.2TB 3.5" 15K RPM SAS drives - 300GB, 450GB or 600GB 3.5" 7,200 RPM Nearline SAS drives - 2TB, 3TB, 4TB or 6TB	
Max. Drive (per system)	16	
Max. Drive (via scale-out <sup>3</sup> )	4800	800
Expansion Enclosure (JBOD)	ESVA J75-250 (48 - 3.5" drives) ESVA J60-230 (16 - 3.5" and 2.5" drives) ESVA J45-240 (24 - 2.5" drives only)	
Form Factor	3U	
Data Services		
Enterprise Scalable Virtualized Architecture	Linear scaling of performance and capacity; storage pooling; thin provisioning; automatic data migration; prioritized volume accessibility; distributed load balancing; automated storage tiering <sup>2</sup>	
Data Protection	<b>Local Replication<sup>2</sup></b> : Snapshot; Volume Copy/Volume Mirror; Quick Recovery <b>Remote Replication<sup>3</sup></b> : Synchronous or Asynchronous; Data Compression; Near Continuous Data Protection (N-CDP)	
Green	80 PLUS-certified power supplies delivering more than 80% energy efficiency Intelligent multi-level drive spin-down	
RAID Configurations	RAID level 0, 1, 3, 5, 6, 10, 50, 60	
Availability and Reliability	Redundant, hot-swappable hardware modules; CacheSafe technology; Multi-pathing support (EonPath); Device mapper support Port trunking / link aggregation (IEEE 802.3ad), fail-over, jumbo frame	
Notification	Email, Fax, LAN broadcast, SNMP traps, SMS, Skype	
Management	SANWatch management suite; Terminal via RS-232C	
OS Support <sup>4</sup>	Windows Server 2003 / 2008 / 2008 R2 / 2012 (including Hyper-V)/2012R2, , Windows 7 Enterprise Sp1, MAC OS X RedHat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, IBM AIX, HP-UX, Debian, CentOS, VMware, Citrix XenServer	
Service and Support <sup>5</sup>	All ESVA systems are shipped with 3-year Standard Service.	
Standard Service	Hardware warranty; replacement part dispatch on the next business day Software update; 24x7 phone, web and email support	
Advanced Service <sup>6</sup>	<b>Standard Service</b> + Onsite diagnostics on the next business day	
Premium Service <sup>6</sup>	<b>Standard Service</b> + Onsite diagnostics in 4 hours	

<sup>1</sup> 1Gb/s iSCSI ports are optional for the ESVA E75-2230 and ESVA E75-2230L. Please check availability with your sales representative.

<sup>2</sup> Available with optional license on the ESVA E75-2230 .

<sup>3</sup> Available with optional license on the ESVA E75-2230 and ESVA E75-2230L

<sup>4</sup> For the latest compatibility details, please contact our sales representatives.

<sup>5</sup> Service may vary by region.

<sup>6</sup> Optional.

**24x7 Global Support: <http://support.infotrend.com/esva>**



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