

# ESVA™ iSCSI Series



## Highlights

### Optimized ROI

- Ensures the most efficient allocation of consolidated capacity and computing power through thin provisioning and an access prioritizing mechanism

### 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 snapshot and replication capability

### Advanced Designs

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

With the Infortrend ESVA iSCSI Series, users can leverage their current IP network equipment to consolidate a powerful, reliable and flexible iSCSI SAN. When data storage demands increase with business growth, ESVA can help users with their diverse and changing application needs in a cost-effective way. The ESVA iSCSI SAN can help mid-range enterprises optimize their return on investment, simplify their storage infrastructure and maximize their 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. With these features, storage utilization can be optimized and applications can achieve their ideal service levels. The ESVA delivers advanced technologies to make the most of your storage investments.

### 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. Each ESVA system 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.

### Maximize Application Productivity

In the competitive business world, downtime not only causes profit loss but can inflict damages on corporate reputation and even end of business. The revolutionary architecture of the ESVA eliminates planned downtime for storage scaling. To support business continuity, it also comes with storage-based replication capabilities. By strategically deploying snapshot images and full data copies, you can enjoy the highest data availability and minimized service downtime whether the storage suffers from logical errors, physical errors or disasters.

### Advanced Hardware Designs

All ESVA systems are based on High Availability (HA) modular design to achieve high fault-tolerant capability. For better cached data protection, the ESVA systems come with built-in CacheSafe technology. In the event of a power outage, the BBU will automatically supply power to write cached data into flash memory for permanent retention. Seeing that green IT can benefit both business and the environment, Infortrend enriches the ESVA Series with energy efficient design. It contributes to environmental sustainability, while cutting energy costs for companies

	ESVA-E20	ESVA-E60
<b>Hardware Configurations</b>		
Starting Capacity	16TB	2.4 or 4.8TB
Drive	16 – 7,200 RPM 3.5" SATA drives	16 – 15,000 RPM 3.5" SAS drives
Max. Capacity (via JBOD)	64TB	9.4 or 19.2TB
Max. Capacity (via scale-out)	768TB	230TB
Max. Drive (via JBOD)	64	64
Max. Drive (via scale-out)	768	768
Expansion Enclosure (JBOD)	ESVA-J20-130 (16 – 3.5" SATA drives, totaling 16TB)	ESVA-J60-130 (16 – 3.5" SAS drives, totaling 2.4 or 4.8TB)
Host Ports	Eight (8) 1Gb/s iSCSI ports	Eight (8) 1Gb/s iSCSI ports
Cache Memory	4GB	4GB
Form Factor	3U	3U
<b>Data Services</b>		
Enterprise Scalable Virtualized Architecture	Linear scaling of performance and capacity; Storage Pooling; Thin-provisioning; Automatic Data Migration; Prioritized Volume Accessibility; Distributed Load Balance	
Data Protection	Quick Recovery; Snapshot; Volume Copy/Volume Mirror; Continuous Data Protection (CDP); Remote Replication <sup>1</sup>	
Energy Efficient Design	Energy efficient power supplies; dynamic cooling mechanism; smart drive spin-down	
Availability and Reliability	Redundant, hot-swappable hardware modules; CacheSafe <sup>2</sup> technology; Multi-pathing support (EonPath); Device mapper support	
Notification	Email, Fax, LAN broadcast, SNMP traps, SMS, MS	
Management	SANWatch management suite; Terminal via RS-232C	
OS Support	Windows Server 2003, Windows Server 2008 (including Hyper-V) <sup>3</sup> , RedHat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, IBM AIX <sup>3</sup> , HP-UX <sup>3</sup> , VMware <sup>3</sup>	
<b>Service and Support<sup>4</sup></b>		
<b>All ESVA systems are shipped with 3-year Standard Service.</b>		
Standard Service	Hardware warranty; replacement part dispatch on the next business day Software update; 24x7 phone, web and email support	
Advanced Service <sup>1</sup>	<b>Standard Service</b> + Onsite diagnostics on the next business day	
Premium Service <sup>1</sup>	<b>Standard Service</b> + Onsite diagnostics in 4 hours	

<sup>1</sup> Optional<sup>3</sup> The date of fully tested support will be released on Infortrend website.<sup>2</sup> Currently only on ESVA-F20 and ESVA-F60. <sup>4</sup> Service may vary by regions.24x7 Global Support : <http://esva.infortrend.com/G-support/>

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