



# ESVA™ Fibre 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 a power outage with CacheSafe technology
- Reduces power consumption with energy efficient features

The Infortrend ESVA Fibre Series is designed to support a powerful, reliable and flexible Fibre Channel (FC) SAN. It offers wide configuration choices to meet diverse application of performance, capacity, space and cost requirements. The ESVA FC 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 advanced features, storage utilization can be optimized and applications can achieve their ideal service levels. ESVA delivers advanced technologies to make the most of your storage investment.

### 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 disrupting service. 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-F20	ESVA-F40	ESVA-F60
<b>Hardware Configurations</b>			
Starting Capacity	16TB	1.8TB	2.4 or 4.8TB
Drive	16 – 7,200 RPM 3.5" SATA drives	12 – 10,000 RPM 2.5" SAS drives	16 – 15,000 RPM 3.5" SAS drives
Max. Capacity (via JBOD)	112TB	7TB	16.5 or 33.6TB
Max. Capacity (via scale-out)	1344TB	84TB	403TB
Max. Drive (via JBOD)	112	48	112
Max. Drive (via scale-out)	1344	576	1344
Expansion Enclosure (JBOD)	ESVA-J20-130 (16 – 3.5" SATA drives, totaling 16TB)	ESVA-J40-120 (12 – 2.5" SAS drives, totaling 1.8TB)	ESVA-J60-130 (16 – 3.5" SAS drives, totaling 2.4 or 4.8TB)
Host Ports	Four (4) 8Gb/s FC ports	Four (4) 4Gb/s FC ports	Four (4) 8Gb/s FC ports
Cache Memory	8GB	4GB	8GB
Form Factor	3U	1U	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 providing high; 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>			
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>1</sup>	Standard Service + Onsite diagnostics on the next business day		
Premium Service <sup>1</sup>	Standard Service + Onsite diagnostics in 4 hours		

<sup>1</sup> Optional

<sup>3</sup> The date of fully tested support will be released on Infotrend 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.infotrend.com/G-support/>

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