



VirtualStor™ Extreme

Software Defined Scale-Out All Flash for AI, machine learning, and virtualization



Key Benefits

Scale-out architecture and hyper-convergence

- Scale as you grow. Scale up to 10M IOPS with 12 chassis
- Suitable for AI, machine learning and virtualization
- All-flash hyper-converged with comprehensive storage features

Multi-tenant storage infrastructure that fit your existing environments

- Multiple storage protocols such as CIFS, NFS, iSCSI, FC, S3 object, and more
- Up to 800,000 IOPS and 10 GB/s throughput per chassis
- Tenant/application level QoS control

Consolidate and seamless migration to save TCO

- Consolidate your existing legacy storage (SAN and NAS)
- Seamlessly migrate your application data without service downtime

Why Bigtera VirtualStor™ Extreme

Currently there are several pressing concerns facing IT administrators, with the foremost being, rapid data growth, rapid response to storage requests, and finding an efficient solution to handle their infrastructure's needs.

VirtualStor™ Extreme is designed to accelerate your fast-growing data and various application demands with flexibility, scalability and extreme performance. Up to 800,000 IOPS and 10 GB/s bandwidth per chassis and with the scale-out capability, appliance can perfectly fit your data analytics, high performance computing (HPC) and media broadcasting 4K streaming application workloads.

VirtualStor™ Difference

Bigtera has developed a user-definable and storage-revitalizing platform that can fit your environments and various application workloads. Unlike other All Flash Array's limited storage protocols, VirtualStor™ Extreme has truly multiple storage protocols (SAN/NAS/Object) in one single cluster. Together with multi-tenant storage architecture, can flexibly provision all services for your every application.

Most of All Flash Array still follows the traditional scale-up design. It is easy to face the performance bottleneck after adding the disk shelf. VirtualStor™ Extreme is designed to resolve the fast-growing data demands. Scale-out architecture of eliminates the over provisioning of storage system, brings resource cost under control, and offer a real "Scale-as-you-grow" infrastructure.

As an innovator in software defined storage, VirtualStor™ Extreme is built on commercial server and standard 2.5" SATA SSD from industrial leaders, eliminating the high maintenance cost of proprietary hardware and SSD modules.

Model	F2240
Picture	
Description	All-flash scale-out storage
Use Case	<ul style="list-style-type: none"> • Digital media and broadcasting: 4K video, video streaming, and post-production • Electronic Design Automation (EDA) • AI and High Performance Computing (HPC) • DNA Sequence Data Analytics
Storage OS	Bigtera VirtualStor Extreme
Protocol Support	NFS / CIFS / iSCSI / FC / Amazon S3 / OpenStack Swift / Cinder RBD
Raw Capacity Per Chassis	23.0TB (20.9TiB) to 92.2TB (83.9 TiB)
Rack Height	2U
Nodes Per Chassis	4
Processors	Intel Xeon Scalable Processors
Drives Per Chassis	24
Drive Capacity	960GB, 1.92TB, or 3.84 TB
Network	2 x 10 GbE / 2 x 40 GbE
Throughput Per Chassis	10 GB/s
IOPS Per Chassis	800,000 @ 1ms latency

About Bigtera

Established in 2012, Bigtera is the innovator of Enterprise Software Defined Storage (SDS) solutions. Now we are part of Silicon Motion Technology (NASDAQ: SIMO). Our mission is to help customers to transform their existing storage into cutting edge SDS infrastructure to fit their application workloads.