EonServ for AI

Integrate with GPU, Windows operating system and storage

Highlight

All-in-One Design

With integrated into a single system computing and storage services, users do not need to separately install computing hosts and storage arrays, which simplifies the installation process and reduces configuration costs.

Cable-less Modular Design

All hardware components have cable-less and modular design, helping to quickly and easily replace damaged components for reducing maintenance complexities. The components are hot-swappable, which means that users do not need to stop the system when replacing them. EVi also provides redundant power supply and fan, eliminating the risk of service interruption caused by damage of a single component.

Introduction

EonServ for AI (EVi) is an integrated computing storage system for AI applications. EVi is equipped with a Windows system, allowing users to install various AI-related applications. Based on Infortrend's more than 25 years of R&D experience, EVi provides enterprise-level storage services with high performance, high capacity, and complete data protection.

Flexible Configuration of Computing System

EVi is represented with a complete product line so that users can flexibly select different combinations of processors and graphics cards to meet the computing performance requirements of different AI applications.

Storage Services for AI Applications

EVi storage system provides high storage performance to quickly read data from the storage pool and import it into the computing system. Storage capacity can be expanded to up to 7PB by connecting expansion enclosures with up to 436 hard drives. To avoid data loss caused by hard disk damage, EVi can be configured with various RAID protection levels (RAID 1/5/6/10/50/60).

Easy Management

EVi supports SANWatch – the proprietary web-based management interface that gives users full control over EVi and its storage environment. You can directly access the system configurations and information just through a web browser.

PHYSICAL SPECIFICATION

Product Series		EVi5000			
Form Factor & Available Models	3U 16-bay	EVi 5016GL	EVi 5016GE	EVi 5016GT	EVi 5016GU
Controller		Single Controller			
CPU		Intel® Core™ i3-8100 4-Core 3.6GHz	Intel® Xeon® E-2226GE 6-Core 3.4GHz	Intel® Xeon® E-2276G 6-Core 3.8GHz	Intel® Xeon® E-2278GE 8-Core 3.3GHz
Cache Memory		Default DDR4 16GB (8GB x 2) Upgradable to 32GB (16GB x 2), 64GB (16GB x 4)	Default DDR4 16GB (8GB x 2) Upgradable to 32GB (8GB x 4), 64GB (16GB x 4) or 128GB (32GB x 4)		
		Note: 32GB memory and above is recommended when surveillance application is used.			
Supported Drives		3.5" 6Gb/s SATA 7,200 RPM HDD 3.5" 12Gb/s NL-SAS 7,200 RPM HDD			
System Drive		Support two 2.5" SATA HDD or SSD (optional) •Install one SATA HDD or SSD with NRAID •Install two SATA HDD or SSD with RAID1			
Drive Interface		12Gb/s SAS			
Max. Drives Number		436			
Management Tools		SANWatch			
Support RAID		RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, RAID 50, RAID 60			
OS Support		Windows Server 2019/2016, Windows 10 Enterprise, Ubuntu Linux, Red Hat Enterprise Linux, CentOS			
		Note: For OS version support, please refer to the compatibility matrix			
Onboard SAS expansion ports		12Gb/s SAS wide ports x 1			
Onboard Host Interface		1GbE ports (RJ-45) x 4			
Rear I/O Port		•USB 2.0 x 2 •USB 3.0 x 2 •VGA x 1 •HDMI 1.4 x 2 •Microphone in x 1 •Speaker out x1 •Service port x 1 (mini USB connector – RS232 interface)			
PCI-Express Slot		PCI-e 3.0 x 8, 2 slot (Support GPU card)			
Drive Interface		12Gb/s SAS			
Expansion Enclosure (JBOD)		JB 316, JB 360L			
Dimensions (without chassis ears/protrusions) (W x H x D)		447.4mm x 130mm x 500mm			
Package Dimensions (W x H x D)		780mm x 253mm x 588mm			
Power Supply Unit	Power supplies (Redundant / Hot-swappable)	Hot-swappable, Dual Redundant, 800W (80 PLUS Bronze)			
	AC voltage (with PFC(Auto-switching)	100-127VAC @ 10A, 200-240VAC @ 5A			
	Frequency	50-60 Hz			
Environmental (Without GPU)	Temperature	Operating: 0 to 40℃, Non-operating: -40 to 60℃			
	Altitude	Operating: sea level to 3,660m (12,000ft), Non-operating: sea level to 12,192m (40,000ft)			
	Relative humidity	5 to 95% non-condensing, operating and non-operating			
Safety Standard		• Electromagnetic Compatibility : CE, BSMI, FCC • Safety : UL, BSMI, CB			