I.T. GLOBAL SYSTEMS GS
WE GIVE YOU THE WORLD OF INFORMATION AND TECHNOLOGY.

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Technical specifications

vFleXtor® 501.3

Virtual, Flexible, Execution and Storage environment

vFleXtor® 501.3 is a **1 node** integrated hardware/software and services appliance, which leverages processing power and robust storage, in a dense datacenter layout. The product delivers a self-sufficient, computing environment which maximizes the storage and computing of a 1U form factor by offering rack mountable solution.

Hardware specifications

vFleXtor	501.3
Chassis size	• High density 1U size storage optimized chassis
Storage Capacity	• Up to 4 hot-swappable 3.5" SAS / SATA drive bays for shared storage
CPU	• 2x Quad-Core Intel® Xeon® Processor 5500 with QPI up to 6.4 GT/s
Motherboard	• Intel® 5520 (Tylersburg) chipset ICH10R + IOH-36D
RAID supported	• RAID 0, 1, 10, 0+1, 5, 6, 50, 60 supported
RAM	• Up to 12 DDR3 DIMMs • Up to 48 GB 1333 / 1066 / 800MHz DDR3 ECC Registered memory
Expansion slots	• 1 (x16) PCI-E 2.0 slot • Optional 3rd & 4th Gigabit LAN port
Connectivity	• Integrated dual port Gigabit Ethernet adapters • Support 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • VMDq support for better performance of virtualization • Integrated IPMI and KVM with dedicated LAN
Power	• 650W (1 + 1) Redundant AC-DC power supply w/ PFC • Power Switch, Reset Switch & 6 LED Indicators • Input - 100 - 240V, 60-50Hz, 8-4 Amp
Cooling	• 4x Cooling fans • 1x Air shroud • Only high quality components and fans are used for maximum reliability
Dimensions	• Height 1.7" (43mm) • Width 17.2" (437mm) • Depth 25.6" (650mm) • Gross Weight 46 lbs (20.9kg)
Optional components	• Slim DVD-ROM Drive

vFleXtor® 501.3 is a future proof scalable iSCSI storage and computing capacity model, it is energy-efficient solution ideal for space-constrained, mission-critical deployments.

iSCSI's advantages are that it runs over ubiquitous Ethernet networks and switches, can communicate over wide area as well as local area networks, and, because it runs on top of IP, it is an extremely flexible routed protocol that facilitates virtualization. IT Global Systems has invested in a broad range of iSCSI and computing solutions ranging from the entry-level vFleXtor 500 series to the powerful vFleXtor 1000 series and the massively scalable vFleXtor 2000 series products.

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According to Forrester[1], there are both hard economic benefits as well as soft benefits in adopting iSCSI storage.

"Given the hardware acquisition cost benefits as well as synergies in network staff and infrastructure, significant benefits can be gained from the use of iSCSI-based SAN architectures." Among the soft benefits is "more virtualization within the protocol. iSCSI is inherently more virtualized than Fibre Channel… allowing for more granular addressing, especially important for virtual server environments." (Forrester Research, Inc., February 2008, "Cost Comparison of iSCSI Versus Fibre Channel SAN Components"[1])

The applications require not only the inherent ease of use and accessibility of the iSCSI protocol, but the intelligent automation and dynamic virtualization such as those in the vFleXtor architecture. While we can build your virtual infrastructure based on the vFleXtor® computing and storage resources, vFleXtor® still can be easily integrated within already existing computing environments.

Features

Value added services	• Shared storage and computing • Future proof scalable storage and computing capacity model • Encryption (optional)
Integration	• Easy to integrate and use in already existing computing environments using iSCSI • Seamless computing resources integration to any VMware ESX4.0 environment with ability the vFleXtor®'s vSphere console to manage existing VMware ESX3.5 nodes
Storage using standard iSCSI	• Up to 8TB storage
Connectivity	• High-performing network shared storage using standard iSCSI protocol and accessible by multiple types of clients
Access	• Client access to the storage is implemented with multi-pathing using a minimum of two independent entry routes each over redundant physical network links.
Support	• Basic: Email with up to 1 business day response • Silver: Mon-Fri, 9-5, up to 4 hours response time • Gold: 24/7/365 • Platinum: Gold level + Assigned account support person with direct contact

IT Global Systems offers services to help your organization to precisely identify the computing and storage resources allocation and to ensure maximum utilization and efficiency. We will work with you – the customer – to design, configure and implement an end-to-end integrated solution matching your needs – whether for a small business, mid size or large enterprise environment.

vFleXtor can reduce complexity and lower costs, transforming IT infrastructures into more agile operations that can bring strategic advantages to the enterprise. Storage virtualization is a proven way to improve flexibility, resiliency and system performance – all while also boosting storage utilization.

Product home: http://www.vflextor.com or http://www.itglobalsystems.com/

vFLEXTOR®

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[1] http://www.forrester.com/Research/Document/Excerpt/0,7211,43397,00.html