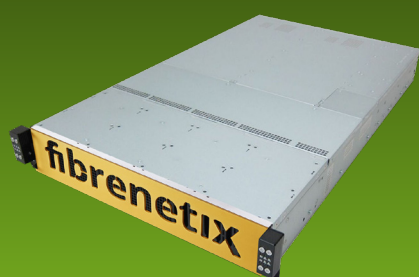




Data sheet

GOLD Series Servers – 2U Video Servers, 4 Nodes



500 - 1000+ CAMERAS – MTS-412

Extreme Performance with Scalable Storage Capacity and High Availability the GOLD Series of Video Servers empower 3D scalability.

Purpose-built for critical video surveillance applications

Demand for scalable high-performance servers is growing rapidly, as Mega & Giga pixel camera technology becomes the standard in the surveillance industry. Total Cost of Ownership (TCO) and the physical footprint of IT-infrastructure is being scrutinized by professional buyers.

Government legalization demands zero, or minimal loss of video frames per second, or users face penalties and potential fines. Enterprise class high availability (HA) solutions are a must to ensure continuous recording 24/7, 365 days a year.

Fibrenetix GOLD Series of video surveillance servers, with unique 3D Scalability, are purpose-built to meet these challenges while ensuring businesses all over the world are protected and not vulnerable to losses, liabilities or business interruptions.

The GOLD Series of video servers provide high-performance multiple servers, based on Intel Xeon E5-2600 v3 processors, in an ultra-small 2U form factor. Each server node can support dual processors with up to dual 16-cores in each server node. Providing more than 500GB of memory per server node,

users can easily scale servers to support 500, or even 1000 HD-cameras with 15 FPS (frames per second).

Each server comes with 8 or 24 built-in HDDs or SSDs. Additional storage capacity can be added to scale up to several Petabytes (thousands of Terabytes) via the built-in 10Gbit iSCSI port, offering retention periods of up to 180 days for 1000+ HD-Cameras.

Power and huge storage capacity require high availability and the GOLD Series is designed to meet these requirements with total scalability via the HA capabilities. Ranging from a few seconds failover in Active/Standby mode (supported by most VMS) to Full Active/Active server cluster with shared storage, all critical components including PSUs and fans are duplicated and hot-swappable to ensure near to 100% up time.

The GOLD Series of video servers offer world leading server technology, which can be scaled to meet the most demanding customer requirements and government legalization. Unique 3D Scalability, for performance, capacity and high-availability make the GOLD series server and storage products truly market leading.

3:0 GOLD Series Servers – 2U

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fibrenetix

GOLD Series Servers 19.5.2021



Features:

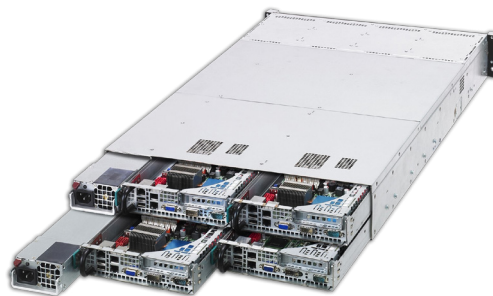
- 2U, 4Nodes design with great scalability for compute-intensive workloads
- Robust native storage interface support
- Comprehensive IT infrastructure management solution
- High density, power efficiency and Intel® Omni-Path Architecture support for HPC
- Exclusive thermal radar technology for energy efficiency
- Simplified maintenance and management

Enterprise Class battery back-up to protect against data loss and power “spikes”

The most challenging demand of the surveillance market is enterprise standard 24/7 availability. To minimize downtime and protect against data corruption, due to loss of power or power “spikes”, the GOLD Series MTS-412 and MTS-424 come with an optional battery back-up unit (BBU), providing up to 120 seconds of power for each node in the event of a power outage. It also manages system shutdown, if necessary, all the time maintaining system and data integrity.

Enterprise standard storage expansion with 3D scalability

The GOLD Series MTS-412 and MTS-424 servers product range offer 3D scalability for performance, capacity and high-availability. The modular design concept enables easy expansion of the server, controller nodes and storage with JBOD expansion units.



3D SCALABILITY FOR PERFORMANCE, CAPACITY AND HIGH-AVAILABILITY



Technical Specifications

Gold Series Servers	MTS-412-xx	MTS-424-xx
Processor	2x Intel® Xeon Scalable Processor (per node)	
Core Logic	Intel® Lewisburg PCH C621	
Memory	16GB RDIMM, up to 1536GB LRDIMM (per node)	
Storage Bays	8x 2.5" Hot-Swap Storage Bays	24x 2.5" Hot-Swap Storage Bays (16x SATA/SAS supported + 8x SATA/SAS/ NVMe supported)
Max. HDD Capacity Supported	SSD 7.6TB	
Maximum Raw Storage Capacity	60.8TB	182.4TB
Max. Capacity - Per IP San Controller	9.2PB	
RAID Level Support	1, 5, 6	
Networking	2x Dual Port Intel I350-AM2 Gigabit LAN Controller + 1x Mgmt LAN	1x Dual Port Intel I350-AM2 Gigabit LAN Controller + 1x Mgmt LAN
Optional 10GBps Support	Yes	
Network	2x RJ-45 GbE LAN Ports	
Graphics (Standard)	Aspeed AST2500, 64MB VRAM	
SATA/SAS Support	Yes	
Hot-Swap HDD	Yes	
Dual Hot-Swap Fans&PSUs	Yes	
R1 Protected OS/APSX Storage	Yes	
I/O Ports (per Node)	2x USB 3.0 Ports 1x VGA Port 2x RJ-45 GbE LAN Ports 1x RJ-45 Management Port	
Certified for VM/Hyper V	Yes	
Operating System	Windows® Server 2016	
Management Solution	On-Board ASMB9-iKVM for KVP-over-IP	
Power Supply	1+1 Redundant 1600W 80 Plus Platinum Power Supply	
Voltage	100-127 Vac, 12.9A, 1000W 200-240Vac, 9.5A, 1600W	
Dimensions – mm (D x W x H)	800 x 444 x 88	
Net Weight (CPU, DRAM, HDDs, GPUs not included)	39kgs	44kgs
Environment	Operation temperature: 10°C ~ 35°C Non-operation temperature: -40°C ~ 70°C	
Relative Humidity (%)	Non-operation humidity: 20% ~ 90% (Non-condensing)	
Accessories	2x Power Cord, Warranty Card, Quick-User Guide	
Certification	BSMI, CE, FCC(Class A)	
Warranty Period	3 Years	
BTU/hr	5,470.72	

*Specifications are subject to change, without prior notice.