

Thunder



KEY FEATURES



- Nvidia GPU Certified
- Dual Intel® Xeon® Processors
- Up to 2 GPUs
- LSI RAID Controller w/CacheVault
- 1200W Platinum PSU
- Tool-less top cover design
- High density storage capacity for video data
- 10x SSDs support high capacity meta data pool size
- 3 Year Warranty



GPU TESTED/CERTIFIED

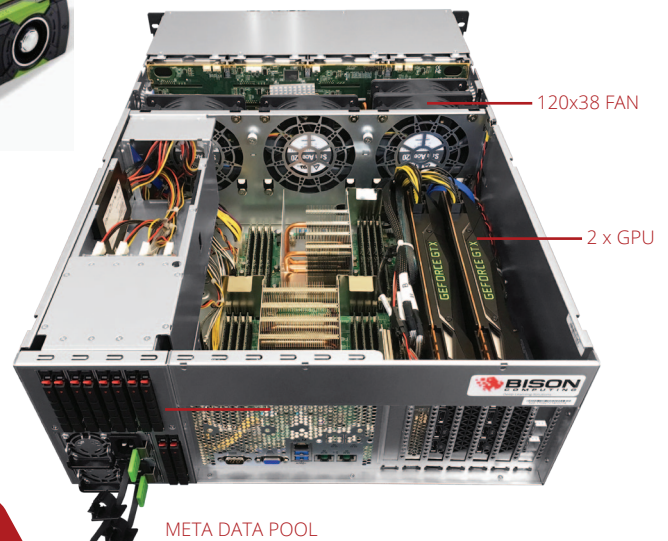
Bison Computing Mobile GPU Computing Server solution is tested and certified to operate with up to QUAD industry leading Nvidia® GPU cards optimized for ML/DL applications.



DOD CERTIFICATION

Bison Computing GPU server with high density storage are DoD Network Certified and TAA Compliant.

Bison Computing solution for high efficiency video streaming application with 2 GPU cards and high density mix storage – 24x 3.5" + 10x 7mm 2.5" fulfill AI, ML, DL demands.



CHASSIS CUSTOMIZATION

Well thermal design provide efficient heat mitigation in tactical operational environment. The custom design provides optimal thermal condition for GPU server.






Detailed Specs and Features of the Thunder

System Dimension (W x D x H)	430mm x 680mm x 177mm
CPU	Dual Intel® Xeon® Processors E5-2600 V3 and V4 Product Family
Processor	Intel® Xeon® E5-2698 v4 20 Core 40 Threads
Memory	16 DIMM slots support DDR4 2400/2133 LRDIMM/RDIMM up to 128GB RDIMM SRx4/ 512GB RDIMM DRx4/ 1024GB LRDIMM QRx4/ 2048GB LRDIMM 3DS 8Rx4
LEDs	System ID System Alert LED LAN Power LED System HDD Activity LED System Power LED
Front Panel	Power On/Off System ID System Reset 2x USB
Drive Bays	External: 24x 3.5" HDD hot-swap 10x 7mm 2.5" SSD hot-swap 20TB high performance storage (10x 2TB)
	Internal: 2x 2.5" 4TB (2X 2TB SSD) Boot drives
Hardware RAID	LSI 9361-24i SATA/SAS High Port Count 12Gb/s RAID Controller LSI CacheVault for LSI 9361-24i RAID 0/1/5/6/10/50/60
Backplane	1x 24-port 12G SAS/SATA EOB backplane
Expansion Slots	3x PCI-E 3.0 x16 slots 3x PCI-E 3.0 x8 slots 1x PCI-E 3.0 x4 M.2 port
System BIOS	Insyde UEFI BIOS, SPI (Serial Peripheral Interface) FLASH Interface
I/O Devices	1x COM serial port 1x D-Sub VGA port 2x USB 3.0 ports 2x RJ45 GbE ports 1x RJ45 dedicated IPMI LAN port LAN ports with LED (ACT/LINK LED and SPEED LED)
Power Supply	1200W 1+1 redundant PSU 80+ Platinum
System Cooling	4x 120X38mm hot-swap fans
System Management	ASPEED AST2400 1x Realtek RTL8201EL for dedicated management GLAN Watch Dog NMI
GPUs	Up to 2x Nvidia GPU cards Options: Quadro GV100, Quadro P6000, Quadro GP100, Titan XP, others
Custom Chassis Features	Ruggedized design for expeditionary operation and harsh environment
Operating Temperature	0°C ~ 35°C
Miscellaneous	Cabling, pre-load Centos



Bison Computing, LLC delivers Deep Learning Solutions leverage Nvidia GPU, high performance, high availability storage solution and robust management tools required for today's data-intensive applications. We are reliable and cost-effective storage solutions encompass IP-SAN storage solutions that support Fiber Channel (FC), Serial Attached SCSI (SAS) and Serial ATA (SATA) storage interfaces.

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