

Mobile Thor



KEY FEATURES

- Nvidia GPU Certified
- AMD EPYC™ 7000 Series Processor
- Up to 3 GPUs
- LSI RAID Controller w/CacheVault
- 1200W to 1600W Platinum PSU
- Tool-less top cover design
- Strong carrying handles
- Pelican case
- MB Slide Drawer design supports smooth integration and user friendly after service
- System health & information bank display provides excellent checkup and after service follow up
- Short chassis depth, 345mm/13.6", can easily deploy into office to fulfill AI application demands w/o RACK
- 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 Mobile Servers are DoD Network Certified and TAA Compliant.

Bison Computing Deep Learning/Machine Learning solution is an 'ALL-IN-ONE' solution. Combining the power of up to 3 GPU cards with high density mix storage – 9x 3.5" + 10x 7mm 2.5" fulfill AI, ML, DL demands.

CHASSIS CUSTOMIZATION

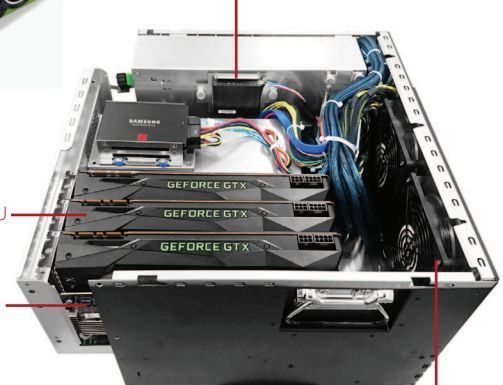
Well thermal design provide efficient heat mitigation in tactical operational environment. The custom design provides optimal thermal condition for GPU server.



CACHEVAULT BATTERY

3 x GPU

RAID CARD



120X25 FAN



Pelican case

Detailed Specs and Features of the Mobile Thor

System Dimension (W x D x H)	405mm x 345mm x 235mm	
System Weight	58 lbs	
CPU	AMD EPYC™ 7000 Series Processor Family Single Socket SP3 (LGA4094)	
Processor	AMD EPYC™ 7551P/7351P 32 Core 64 Threads	
Memory	8 DIMM slots Up to 512GB (8x 64GB DDR4 RDIMM) Supports DDR4 2666/2400/2133 LR DIMM, R DIMM and ECC DIMM 1.2V	
LEDs	System ID System Alert LED LAN Power LED System HDD Activity LED System Power LED	
LCM Display (Pushmatic Button Control)	System Information Network Interface Voltage Reference Fan Speed Sensor Temperature Sensor	
Front Panel	Power On/Off System ID System Reset 1x USB	
Drive Bays	External	9x 3.5" HDD hot-swap 90TB raw storage (9x 10TB HDD) 8x 7mm 2.5" SSD hot-swap 16TB high performance storage (2x 2TB SSD)
	Internal	2x 7mm 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	9x 1-port SAS/SATA backplanes 2x 4-port SAS/SATA backplanes	
Expansion Slots	4x PCI-E 3.0 x16 slots 3x PCI-E 3.0 x8 slots 2x PCI-E 3.0 x4 M.2 ports 2x Oculinkx4	
System BIOS	128Mb SPI AMI BIOS® ACPI 5.1, SMBIOS 3.1.1, Plug-and-Play (PnP), BIOS Rescue Hot-key, RTC (Real Time Clock) Wake Up, Riser Card Auto-Detection Support	
I/O Devices	1x COM serial port 1x D-Sub VGA port 2x USB 3.0 ports 2x RJ45 10G base-T 1x RJ45 dedicated IPMI LAN port LAN ports with LED (ACT/LINK LED and SPEED LED)	
Power Supply	1200W / 1600W 1+1 redundant PSU 80+ Platinum	
System Cooling	2x 120X25mm hot-swap fans 3x 80X38mm hot-swap fans	
System Management	ASPEED AST2500 1x Realtek RTL8211E for dedicated management GLAN Watch Dog NMI	
GPUs	Up to 3x Nvidia GPU cards Options: Quadro GV100, Quadro P6000, Quadro GP100, Titan XP, others	
Custom Chassis Features	Ruggedized design for expeditionary operation and harsh environment Stainless steel hash lift handle flush mounted on each side of the chassis for safe lifting	
Power Requirement	200-240V~, 50/60Hz, 12A	
Operating Temperature	0°C ~ 35°C	
Miscellaneous	Cabling, pre-load Centos, Pelican transport case	



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 iSCSI (SAS) and Serial ATA (SATA) storage interfaces.

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