Mobile AI Cube Pure SSD

BISON COMPUTING

KEY FEATURES

NVIDIA PREFERRED PARTNER

- Nvidia GPU Certified
- AMD EPYC™ 7000 Series Processor
- Up to 4 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
- 1x PCIe x8 slot for high speed NIC
- 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.
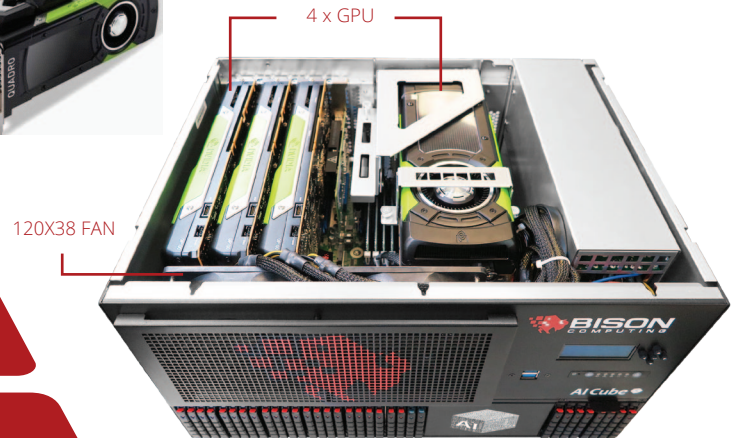
DOD CERTIFICATION
Bison Computing Mobile Servers are DoD Network Certified and TAA Compliant.

Bison Computing Deep Learning/Machine Learning solution is an 'ALL-IN-ONE' solution. Combining the power of up to 4 GPU cards with high density, high speed SSDs – 32x 7mm 2.5".

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

4 x GPU

120X38 FAN

Pelican case

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Detailed Specs and Features of the Mobile AI Cube Pure SSD

System Dimension (W x D x H)	437mm x 345mm x 235mm
System Weight	58 lbs.
CPU	AMD EPYC™ 7000 Series Processor Family Single Socket SP3 (LGA4094)
Processor	AMD EPYC™ 7601 | 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 2x USB3.0
Drive Bays	External: 32x 7mm 2.5" SSD hot-swap | 64TB high performance storage (2x 2TB SSD)
	Internal: 2x M.2 | 960GB | Boot OS
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	6x 4-port SAS/SATA backplane 2x 4-port SATA backplane
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 120X38mm 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 4x 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