

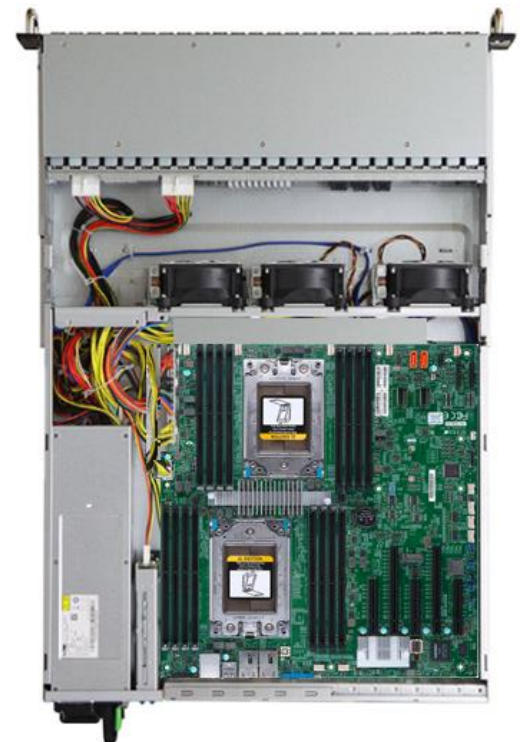
Lightning FMV



Model SKU: 2U BAI26-S37

KEY FEATURES

- Designed to support high density Video Exploitation computing needs.
- Tool-less design supports quick installation and easy maintenance
- TAA Compliant for DoD Networks
- Dual AMD EPYC 7000-Series Processors
- LSI RAID Controller w/Cache Vault
- Up to 2TB Registered ECC DDR4 2666 MHz SDRAM in 16 x DIMMs
- External: 24 x 2.5" hot swap (Storage)
- External: 2 x 2.5" hot swap (OS Drives)
- Dimensions: 17 x 26.8 x 3.6 inches (W x D x H)
- Expansion slots: 2 x PCI-E 3.0 x16, 3 x PCI-E 3.0 x8
- Power: 800W 1+1 redundant PSU PMBus 1.2 80+ Platinum
- 2X INTEL X710-DA2 dual port 10GBE SFP+/DA converged network adapter
- Tool-less top cover design
- Tool-less backplane
- Tool-less slide rails
- Strong carrying handles
- 3 Year Limited Hardware Warranty



Nvidia GPU TESTED/CERTIFIED Platforms

Bison Computing Servers are tested and certified to operate with up to QUAD industry leading Nvidia® GPU cards optimized for ML/DL applications.

DOD CERTIFICATION

Bison Computing Servers are DoD Network Certified and TAA Compliant.

Bison Computing Deep Learning/Machine Learning solution is an 'ALL-IN-ONE' solution.

CHASSIS CUSTOMIZATION

Well thermal design provides efficient heat mitigation in tactical operational environment. The custom design provides optimal thermal condition for high density computing.

AMD Certified Platform for EPYC 7000 Series

BISON COMPUTING server platforms are certified for AMD EPYC 1st and 2nd Generation Processir Series



Detailed Specs and Features of the Lightning FMV

| | | |
|-------------------------------------|---|--|
| System Dimension (W x D x H) | 430mm x 680mm x 88mm | |
| System Weight | Barebone System Weight: 46 lbs. Fully-loaded System Maximum Weight: 65lbs | |
| Processor | Dual AMD EPYC 7601 32-Core 2.2 GHz (3.2 GHz Max Boost) Socket SP3 PS7601BDAFWOF Server Processor | |
| Heatsink | AMD EPYC Processor Socket SP3 Side-Blower 60x60x25mm PWM fan Cooler for 2U Server | |
| Memory | 2TB (16 x 128GB DDR4 LRDIMM) 16 DIMM Slots 128GB (1X128GB) 2666MHZ PC4-21300 CL19 ECC REGISTERED OCTA RANK X4 1.2V DDR4 SDRAM 288-PIN LRDIMM | |
| 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 1x USB | |
| Drive Bays | External | 24x 2.5" SSD hot-swap Up to 96 TB high performance raw storage (24x 4TB) 2x 7mm 2.5" SSD hot-swap OS Drives |
| | Internal | Interface: 1 SATA/PCI-E 3.0 x2 Form factor: 2280, 22110 Key: M-key 2x |
| 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 Options | 1x 24-ports 12Gb SATA/SAS backplane with 6 SFF-8643 connectors 1x 24-ports 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors | |
| Expansion Slots | 2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 M.2 Interface: 1 SATA/PCI-E 3.0 x2 M.2 Form Factor: 2280, 22110 M.2 Key: M-key | |
| System BIOS | 128Mb SPI Flash EEPROM BIOS Features: Plug and Play (PnP) DMI 2.3 PCI 2.2 ACPI 5.1 USB Keyboard Support SMBIOS 3.1.1 | |
| I/O Devices | SATA: | 10 SATA3 (6 Gbps) ports |
| | NVMe: | 2 Internal NVMe Ports (PCI-E 3.0 x4) |
| | LAN: | 2 RJ45 10GBase-T ports 1 RJ45 Dedicated IPMI LAN port |
| | USB: | 2 USB 3.0 ports (rear) 4 USB 2.0 ports (2 rear + 2 via header) |
| | VGA: | 1 VGA port |
| | Other: | 1 COM port (rear) 2 SATA DOM power connectors 1 TPM 2.0 header |
| Power Supply | 800W 1+1 redundant PSU PMBus 1.2 80+ Platinum | |
| System Cooling | 3x 80X38mm PWM & Lower consumption fans hot-swap fans | |
| System Management | NMI 1x Realtek RTL8211E for dedicated management IPMI 2.0, KVM with dedicated LAN SUM NMI | |
| Custom Chassis Features | 2U24 Storage Server Chassis 17"x26.8"x3.5", Tool-less design, Passive BP 800W 1+1 Platinum RPSU 28" Slide Rail | |
| Operating Temperature | 0°C ~ 35°C | |
| Miscellaneous | Cabling, pre-load Centos, Pelican transport case | |
| System Weight | Maximum weight is 65 lbs. | |



Bison Computing 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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