# FB122-PV



## Features :

- 1U 10-Bay storage server supports 10 PCIe SSD 2.5” FF drives (NVMe) to provide a highly dense, all NVMe Flash storage array
- Supports two Intel® Xeon® Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 2 COTS PCIe 3.0 cards
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports
- Customizable to meet your requirements

## SPECIFICATIONS

| | | | |
|---|---|---|---|
| **Dimensions** (W x D x H) | mm : 438 x 845 x 44.4 | | |
| | inches : 17.2 x 33.2 x 1.75 | | |
| **Motherboard** | AIC Server Board Pavo | | |
| **Processor** | Processor Support | Intel® Xeon® Scalable Processors | |
| | UPI Speeds | 9.6 GT/s, 10.4 GT/s | |
| | Socket Type | Socket P0 (LGA-3647 Socket) | |
| **Chipset Support** | Intel® Lewisburg C620 series PCH | | |
| **System Memory** | • DDR4 2666 ECC RDIMM<br>• Total 16 memory slots; 6 channel per CPU<br>(4 x 1DPC + 2 x 2DPC per CPU) | | |
| **Front Panel** | • System on/off<br>• System ID<br>• System reset<br>• USB 2.0 Type A connector | | |
| **LEDs** | • Power<br>• System ID<br>• Alert | | |
| **Drive Bays** | External | 2.5" hot swap | 10 (PCIe SSDs) |
| | Internal | 2.5" | 2 (7mm) |
| **Backplanes** | 5 x 2-port PCIe backplanes with dual SFF-8643 connectors on each | | |
| **Expansion Slots** | PCIe 3.0 | • 1 x PCIe x16 slot<br>• 1 x PCIe x16 OCP Mezzanine card | |

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| **System BIOS** | BIOS Type | Insyde BIOS |
| | BIOS Features | • ACP<br>• PXE<br>• WOL<br>• AC loss recovery<br>• SMBIOS<br>• Serial console redirection<br>• BIOS Boot Specification<br>• BIOS Recovery Mode<br>• SRIOV |
| **On-board Devices** | SATA | • Lewisburg PCH on-chip solution<br>• 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)<br>• 5 x SATA 6.0 Gb/s by Max I/O™; one of Max I/O™ SATA port share with one of SATA in mini-SAS HD |
| | IPMI | Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor<br>• Baseboard Management Controller<br>• Intelligent Platform Interface 2.0 (IPMI 2.0)<br>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN<br>• SMASH Support |
| | Network Controllers | • Intel® PCH (Lewsiburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors<br>• Intel® I350 dual ports GbE RJ45 rear connectors<br>• Realtek RTL8201EL for BMC dedicated management port |
| | Graphics | Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor<br>• PCIe VGA/2D Controller<br>• 1920x1200@60Hz 32bpp |

TOP VIEW

750W 1+1 redundant power supply 80+ Platinum



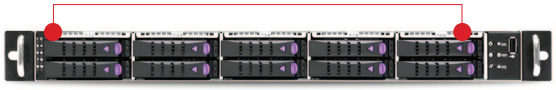
REAR VIEW

1 x OCP Mezzanine  1 x PCIe X16 slot



FRONT VIEW

10 x 2.5” hot swap drive bays



*Power supply and Server board are included.*

| | | |
|---|---|---|
| **Rear I/O** | LAN | • 2 x 10GbE SFP+<br>• 2 x GbE RJ45<br>• 1 x GbE RJ45 dedicated to BMC management |
| | USB | 2 x USB 3.0 double-stack Type A |
| | VGA | 1 x external VGA port |
| | Serial Port | 1 x external DB-9 COM port |
| **Power Supply** | 750W 1+1 redundant power supply 80+ Platinum<br>• 100-240VAC, 47-63 Hz | |
| **System Cooling** | 6 x 40x56mm 21500/18000 rpm hot swap fan modules | |
| **System Management** | • IPMI 2.0<br>• KVM over IP<br>• Media redirection<br>• Temperature, fan, voltage, PSU sensor monitor<br>• System temperature<br>• System ID / System fail indicator<br>• Remote power on/off/reset<br>• SEL message alarm through mail<br>• SNMP support<br>• Intel NM<br>• HTML5<br>• Redfish | |

| | | |
|---|---|---|
| **Environmental Specifications** | • Operating temperature : 0° - 35°C<br>• System relative humidity : 5% - 95% non-condensing | |
| **Gross Weight** | (w/ PSU & Rail) | kgs : 24 |
| | | lbs : 53 |
| **Packaging Dimensions** | (W x D x H) | mm : 590 x 1130 x 273 |
| | | inches : 23.2 x 44.5 x 10.7 |
| **Mounting** | Standard | 28" tool-less slide rail |

**Remark:** All specifications and photos are subject to change without notice.


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