



Front View

24 x 2.5" hot swap drive bays



Features

- 2U storage server supports 24 hot swap 2.5" NVMe SSDs drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- With Intel® C620 series chipset to provide 5+ years product life cycle
- Flexible I/O usage with MAX I/O to support 4 x PCIe Gen3 x16 slot (or optional OCP Mezzanine card by BTO)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

2 x USB 3.0 + RJ45 (Dedicated NIC for BMC)



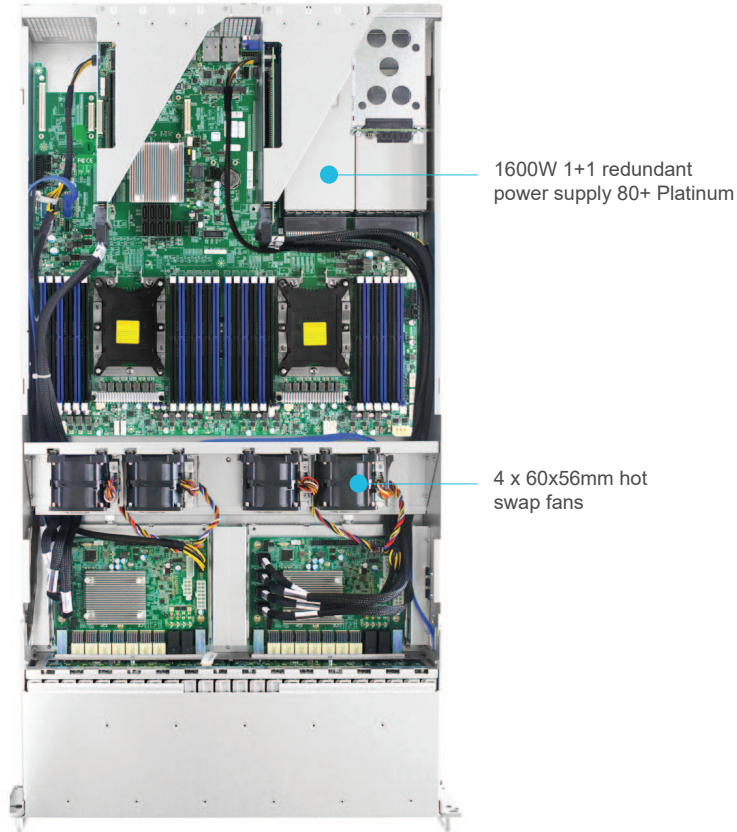
Specifications

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|----------------------------------|---|---|---|
| Dimensions (W x D x H) | mm : 438 x 800 x 88 | | |
| | inches : 17.2 x 31.5 x 3.5 | | |
| Motherboard | AIC Server Board Lynx | | |
| Processor | Processor Support | <ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 205W <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i> | |
| | UPI Speeds | 10.4 GT/s, 9.6 GT/s | |
| | Socket Type | Socket P0 (LGA-3647 Socket) | |
| Chipset Support | Intel® Lewisburg C620 series PCH | | |
| System Memory | <ul style="list-style-type: none"> • 6 x memory channels per CPU, 2 x DIMM per channel • 24 x DIMM slots support: DDR4 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support | | |
| Front Panel | System power on/off, System ID, System reset, 1x USB 3.0 Type A | | |
| LEDs | Power status, System alert, LAN activity, Drive activity, System ID | | |
| Drive Bays | External | 2.5" hot swap | 24 (U.2 NVMe) 2 (15mm, rear) |
| | Internal | M.2 | 2 x M.2(NGFF) / M-Key / 2280 / Supports SATA or PCIe x2 |
| Backplanes | 2 x dual Broadcom/LSI PEX9765 PCIe switch backplanes | | |
| Expansion Slots | PCIe 3.0 | <ul style="list-style-type: none"> • 2 x16 slots (FH) • 2 x16 slots (LP) + 2 x OCP Mezzanine card V2.0 (BTO) <i>*Please contact AIC Technical Support for more info/details about PCIe card.</i> | |

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| Riser Card (included) | RC-PE2U09-TY | 2 x16 PCIe slots |
| System BIOS | BIOS Type | <ul style="list-style-type: none"> • Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface |
| | BIOS Features | <ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug |
| On-board Devices | SATA | Intel® Lewisburg PCH on-chip solution • 10 x SATA 6.0 Gb/s • RAID 0, 1, 5, 10 support by Intel RSTe |
| | BMC | Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish |
| | Network Controllers | <ul style="list-style-type: none"> • Two Intel® I210 Ethernet Controller support dual-port GbE RJ45 connectors • Networking options provided via OCP Mezzanine extension • Realtek RTL8201E 10/100Mbps Ethernet PHY for BMC dedicated management port |
| | Graphics | Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp |



Top View



(Power supply and Server board are included.)

FB201-LX

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| Rear I/O | LAN | <ul style="list-style-type: none"> • 2 x GbE RJ45 • 1 x 10/100M RJ45 dedicated to BMC management |
| | USB | 2 x USB 3.0 Type A |
| | VGA | 1 x external DB-15 VGA port |
| | Serial Port | 1 x micro USB |
| TPM Support | 2.0 onboard | |
| Power Supply | 1600W 1+1 redundant power supply 80+ Platinum • AC INPUT : 200~240V,50/60Hz,12A (except China/Taiwan) • AC INPUT : 200~240V,50/60Hz,10A (for China/Taiwan) | |
| System Cooling | 4 x 60x56mm hot swap fans | |

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| System Management | <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support | |
| Environmental Specifications | <ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing | |
| Gross Weight | (w/ PSU & Rail) | kgs : 30.5 |
| | | lbs : 67.24 |
| Packaging Dimensions | (W x D x H) | mm : 600 x 1060 x 320 |
| | | inches : 23.4 x 41.3 x 12.5 |
| Mounting | Standard | 28" tool-less slide rail |

Ordering Information

| SKU Number | Description |
|--------------|--|
| XP1-F201LXXX | 2U-24 bay storage server supports 24x U.2 NVMe drives, 2x dual Broadcom/LSI PEX9765 PCIe switch backplanes, Lynx motherboard, Intel® Xeon® Scalable Processors, DDR4 2666 RDIMM x24, Intel PCH C620, MAX I/O 4x PCIe Gen3 x16, 1600W redundant power supply, 28" slide rail, w/o bezel |