

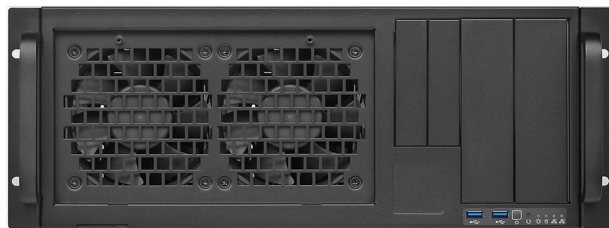
Blue Line Industrial Server-1000



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IT for Demanding Environments

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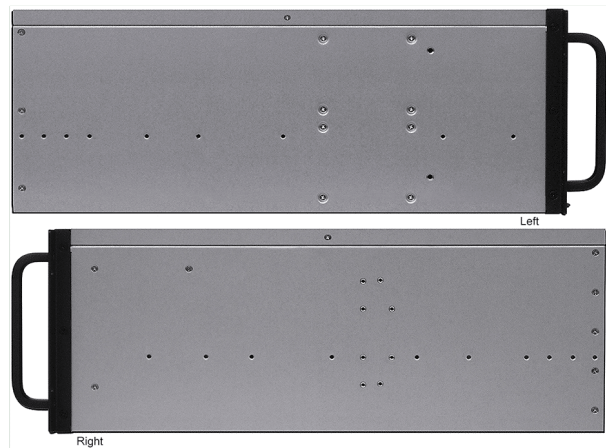
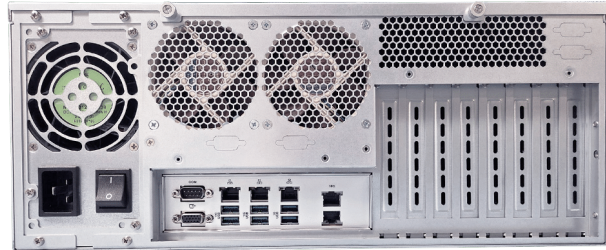
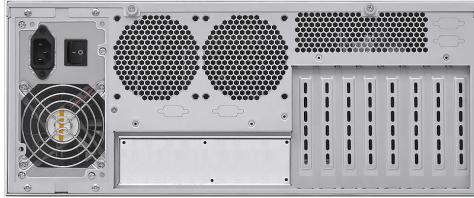
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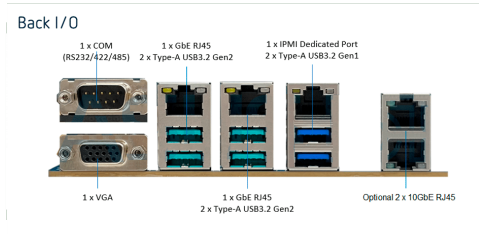
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Blue Line Industrial Server-1000



Highlights

Build an industrial server that matches your exact application. The Blue Line Industrial Server-1000 combines enterprise-class performance, flexible expansion and customer-specific configuration to support AI, automation and data-intensive industrial workloads.

Every industrial application has unique requirements. The Industrial Server-1000 gives you the flexibility to configure processors, storage, GPUs and expansion cards, helping you create a platform optimized for your workload while simplifying future upgrades.

Modern industrial applications demand more computing power than ever before. With support for high-performance GPUs, FPGA cards and advanced PCIe expansion, the Industrial Server-1000 helps you accelerate AI inference, machine vision and real-time data processing while maintaining reliable operation.

- Fast & flexible industrial server
- Intel Granite Rapids Workstation processor
- Windows 10/11, Server 2022/2025 & Linux
- Support wide range of GPU and FPGA
- Option for COM, USB, DIO, LAN
- Long product life cycle
- Short depth chassis (480mm)
- Build-to-order configured to the requirements



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Blue Line Industrial Server-1000

Specifications

Model Type

Rack PC / Tower

Form Factor

4U

Construction

Heavy duty cold rolled steel 1.2mm~2.0mm thick

Cooling

Two 120 x 120 x 38mm system front fan
Easy acces to front dustfilter (Washable)
Option for 240mm liquid cooling radiator
Support up to two 80 x 80 x 25mm rear fan
Option for low noise PWM fan
Option for high performance PWM fan

Environment

Operating temperature	0°C to 60°C (-10°C to 70°C w/wide temp. Grade SSD & MEM)
Storage temperature	-30°C~70°C
Humidity	10% to 95%, non-condensing @ 40°C

Certification

CE

Processor

Intel Xeon 600 Series Granite Rapids Workstation Processor



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Single Socket E2, LGA4710-2 (Up to 350W TDP)

Chipset

Intel W890 Chipset

AST2600 graphics engine

WINBOND BIOS. Model Name: W25Q512JVEIN

Watchdog Timer Software Programmable supports 1 to 255 sec. System reset

ST TPM 2.0 module. Model Name: ST33KTPM2X32CKE2

RAM

8 x DDR5 RDIMM & 3DS RDIMM Slots. (3DS RDIMM Up to 5200MT/s (2DPC) support up to 2TB / 256GB Pr. slot

Storage

2 x 5.25" drive bay

2 x 3.5" drive bay

Option for 3.5" or 2.5" Hotswap drive bay

Option for 2 x 2.5" internal drive

Front Input / Output

2 x USB 3.2 Gen1 Type A via internal header

Power on/off & reset button

Power status LED, HDD activity LED & dual LAN activity LED

Pull-out TAG 10 to 55mm, for COA labels / serial number identification

Rear Input / Output



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External	1 x VGA
	2 x Intel i210-AT 1GbE controller via RJ-45 LAN Port
	1 x Realtek RTL8211F (RGMII from AST2600, for IPMI) Via RJ-45 LAN Port
	4 x USB 3.2 Gen2 Type A (Support Wake on USB)
	2 x USB 3.2 Gen1 Type A (Support Wake on USB)
Option for onborad Dual Intel E610 XAT2 10GbE via RJ-45 LAN Port	1 x RS-232/422/485 via DB9 Port
	4 x USB 3.2 Gen1 via header
	2 x Vertical Type-A USB 2.0 Connector
	1 x RS-232 via header
	2 x Vertical Slimline SAS connector, Support 8 x SATA3.0, or 2 x PCIe 4.0 x4 device*
Internal	1 x 8 Bit GPIO +3.3V signals via header
	Line In & Line Out via header (Codec ALC897)
	1 x SPI TPM header
	*PCIe Device support Intel VROC

Expansion



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Total PCIe Slots 7 (8 Slots Chassis Support up to 413mm expansion cards length)

Slot 1 - 1 x PCIe 5.0 x16 Slot (Activated by Expert1s)*

Slot 2 - 1 x PCIe 5.0 x16 Slot (Activated by Expert1s)*

Slot 3 - 1 x PCIe 5.0 x16 Slot (Mainstream)

Slot 4 - 1 x PCIe 5.0 x16 Slot (Only x8 Speed, Mainstream)

Slot 5 - 1 x PCIe 5.0 x16 Slot (Mainstream)

Slot 6 - 1 x PCIe 5.0 x16 Slot (Mainstream)

Slot 7 - 1 x PCIe 5.0 x16 Slot (Mainstream)

All slot are with Dedicated PCIe holder

2 x MCIO PCIe 5.0 x8 (2 x activated by Expert1s)*

*(Slot #1, #2 & MCIO will be activated by Expert1s SKU processor)

2 x M.2 M-key, Type 22110/2280 (PCIe 5.0 x4 from CPU, Support IntelVROC*)

*Note: Intel VROC offers basic functionality included with the Platform Controller Hub (PCH) with the option to add three RAID enabled feature sets (Standard, Premium, RAID1 Only).

Operating System

Windows 10/11

Windows 10/11 IoT Enterprise

Windows Server 2022/2025

Ubuntu 24.04.3 LTS

Power Supply



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Industrial PSU 850W	ATX 12V v3.1, 80mm double ball bearing FAN, AC input, 80 PLUS Platinum
	IEC 62368-1 compliant
	ErP Lot 6 2013 compliant
Option	EMI/EMC: CE and FCC Class B
	Safety: CB 62368, TUV 62368, UL 62368
	Option for Industrial PSU 2000W ATX 12V v3.1, 80mm FAN, 200~240V AC IEC-C19 input, Dual PCIe Gen5, 80 PLUS Platinum, FCC and CE approved
	Option for hotswap Mini-Redundant 500W, 700W, 900W, 80 PLUS Gold PSU
	Option for Marine graded PSU with Safety clamp at AC inlet and Reinforced Protection against shock and vibration

Power Consumption

TBD

Dimension and Weight

19"/Tower	H 177,30 x W 430,00 x D 480,00mm
19" w/Rack mount kit	H 177,30 x W 482,00 x D 516,50mm
Package	H 260,00 x W 550,00 x D 600,00mm
Net weight	About 15 kg (standard configuration)
Gross weight	About 16 kg (standard configuration)

Mounting

Rack mount



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Accessories Included

Rack Mounting kit

Hold down retention bar with clamps for PCI/PCIe Cards (Maximum high for expansion cards with this bar install is 130mm and 145mm without)

Accessories Optional

Fix Rear rack mounting kit for server chassis

Rack mount slide rail kit for server chassis (600mm 2-layer 3-travel universal rail (cabinet internal depth 600~1200mm compliant))

Chassis intrusion detector

Dedicated HW Raid controller

Intel Virtual RAID on CPU

Intel VROC Standard SKU (RAID 0/1/10) VROCSTANMOD Licensing*

Intel VROC Premium SKU (RAID 0/1/5/10) VROCPREMMOD Licensing*

*Intel VROC Hardware key is required

Ethernet Add on card (Copper or Fiber connector)

Video frame grabber Add on card

Power over Ethernet Add on card (2 x 30W port or 4 x 30W port) w/Intel I226V controller

1 x 3.5" Bay in 5.25" bay bracket

1 x 2.5" Rugged Hot-swap w/Thumbscrews and key lock in 3.5" bay

2 x 2.5" Trayless Hot-swap w/key lock in 3.5" bay

4 x 2.5" Trayless Hot-swap w/key lock in 5.25" bay

Air-shroud bracket for Nvidia A100/H100/Pro6000 GPU

Dust cover kit for I/O port

Smart Keeper Professional for physical I/O port security

Warranty and After Sales Support

Standard 1 year (option for 3 years)



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