Blue Line IPC-3100 – AMD



BLUE LINE
IT for Demanding Environments

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Highlights

3U rack mount industrial pc supports full length/height PCI and PCIe cards. Benefit from high performance AMD Ryzen processors. Blue Line IPC-3100 AMD supports high performance GPU for AI/inference.
Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.

• Fast & flexible industrial pc

• AMD Ryzen 7000, 8000 & 9000 PHX1 processor

• Windows 10 / 11 / Linux

• 6 x USB 3.2, 1x COM, 2 x 2.5GbE

• Option for 5 x COM, 4 x USB, DIO

• Long product life cycle

• Short depth chassis (510mm)

• Build-to-order configured to the requirements

Specifications

Model Type

Rack PC / Wall mount

Form Factor

3U

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Construction

Heavy duty cold rolled steel

Cooling

Two 60 x 60 x 25mm 4.500 RPM, 40dBA, system front fan
Support up to 4 front fan, 2 in side and 1 in rear
Easy acces to front dustfilter (Washable)
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	5% to 95%, non-condensing

Certification

CE

Processor

AMD Socket AM5 for AMD Ryzen 7000 & 8000G & 9000 PHX1 Series Desktop Processors

Chipset

AMD SoC
AMD Integrated Radeon Graphics
TPM 2.0 security function
AMI UEFI BIOS
Watchdog Timer Software Programmable supports 1 to 255 sec. System reset

RAM

4 x 288-Pin 5200MHz DDR5 SDRAM Unbuffered DIMMs. Support up to 192GB

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Storage

1 x 5.25" drive bay

3 x 3.5" internal drive bay or 3 x 2.5"

Option for 3.5" or 2.5" Hotswap drive bay

Option for 2 x 2.5" internal drive bay insted

Front Input / Output

2 x USB 2.0 Type A via internal header

Power on/off button

Power status LED & HDD activity LED

Rear Input / Output

External	2 x HDMI 1.4
	1 x DisplayPort 1.4a
	2 x RJ45 LAN: Intel i226V 2.5GbE controller (CO-LAY I226LM support vPro)
	4 x USB 3.2 Gen1 Type A
	2 x USB 3.2 Gen2 Type A
	1 x RS-232/422/485 via DB9 Port (RS-485 support AFC)
Option for	MIC-in/Line-in/Line-out via Realtek ALC888S 7.1 Channel HD Audio peripheral board

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Internal	4 x RS-232 via header 1 x RS-232/422/485 via DB9 Port (RS-485 support AFC) 4 x USB 2.0 via header 4 x SATA 6G/s 1 x 12-bit digital I/O (2x7 pin)

Expansion

1 x PCIe x8 Gen4.0 in x16 Slot*
2 x PCIe x1 Gen4.0*

2 x PCIe x4 Gen4.0 (open-end slot)*
1 x M.2 M Key 2242/2280 PCIe Gen3 x4 NVMe Support
1 x M.2 M Key 2242/2280 PCIe Gen3 x2 NVMe support (NVME RAID 0/1 support)
*Note maximum card length is 171.5/220.0 mm

Operating System

Windows 10/11
Windows 10/11 IoT Enterprice
Linux

Power Supply

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Industrial PSU 650W	ATX 12V v2,3, 80mm double ball bearing FAN, full range AC input, 80 PLUS Gold
	IEC 62368-1 compliant
	ErP Lot 6 2013 compliant
	EMI/EMC: CE Class B and FCC Class B, RCM
	Safety: cTUVus , TUV, CB, CCC, BSMI, RCM (SAA)
Option	Option for 350W, 750W, 850W & 1000W PSU
	Option for hotswap redundant 500W, 700W, 900W, 80 PLUS Gold PSU
	Option for PSU with Safety clamp at AC inlet and Reinforced Protection against shock and vibration

Power Consumption

TBD

Dimension and Weight

19"	H 132.7 x W 428.0 x D 300.0 mm
19" w/Rack mount kit	H 132.7 x W 482.0 x D TBD mm
Package	H 220.0 x W 560.0 x D 435.0 mm
Net weight	7.0 kg (standard configuration)

Mounting

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Rack mount

Rack mount with front I/O

Wall mount

Accessories Included

Monunting kit (service as front or rear rack monut or wall mount kit)

Accessories Optional

Fix Rear rack mounting kit for server chassis

Rack mount slide rail kit for server chassis

Chassis intrusion detector

7.1 channel HD audio kit with Realtek ALC888S (1 x Line in, 1 x Line out, 1 x Mic and 1 x Center/Sub)

Dedicated HW Raid controller

WIFI / BT Add on card

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

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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