

Blue Line IPC-3100



BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
T +45 8678 5000 | www.blue-line.com

Blue Line IPC-3100



Highlights

4U rack mount industrial pc supports full length/height PCI and PCIe cards. Benefit from high performance Intel 11th generation processors. Blue Line IPC-8000 Power 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.



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Blue Line IPC-3100

- Fast & flexible industrial pc
- Intel 11th generation core processor
- Windows 10 / 11 / Linux
- 5 x USB 3.2, 2 x 2.5GbE
- Option for 4 x COM, 10 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

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



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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

Intel 14th Gen. Core i3 / i5 / i7 / i9 (Up to 125W TDP)

Intel Pentium Gold Series

Intel Celeron G Series

Chipset

Intel Q670/Q670E Chipset

Intel UHD graphics engine

Intel PTT (TPM 2.0 security function)

AMI UEFI BIOS

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

RAM

4 x 288-Pin 3200MHz DDR4 SDRAM Unbuffered DIMMs. Support up to 128GB

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 3.2 Gen1 Type A via internal header

Power on/off button

Power status LED & HDD activity LED



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Rear Input / Output

External	1 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 Gen2 Type A
	2 x USB 3.2 Gen1 Type A
Option for	2 x RS-232/422/485 via DB9 Port (RS-485 support AFC)
	1 x RJ45 port for option IPMI (Add on IPMI 2.0 management module)
	MIC-in/Line-in/Line-out via Realtek ALC888S 7.1 Channel HD Audio peripheral board
	4 x RS-232 via header
	2 x USB 3.2 Gen1 via header, 4 x USB 2.0 via header
Internal	4 x SATA 6G/s (Intel onborad RAID 0/1/5/10 supported)
	1 x 12-bit digital I/O (2x7 pin)
	1 x iDPM support eDP/ DP/LVDS/ VGA module

Expansion

- 1 x PCIe x16 Gen4.0*
- 2 x PCIe x4 Gen4.0 (open-end slot)*
- 2 x PCIe x1 Gen3.0*



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1 x M.2 M Key 2242/2280 PCIe Gen3 x4

1 x M.2 M Key 2242/2280 PCIe Gen3 x2

*Note maximum card length is 171,5/220mm

Operating System

Windows 10/11

Windows 10 IoT Enterprise

Linux

Power Supply

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 for 350W, 750W, 850W & 1000W PSU

Option for hotswap redundant 500W, 700W, 900W, 80 PLUS Gold PSU

Option

Option for Marine graded PSU with Safety clamp at AC inlet and Reinforced Protection against shock and vibration



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Power Consumption

TBD

Dimension and Weight

19"	H 132,7 x W 428 x D 300
19" w/Rack mount kit	H 132,7 x W 482 x D
Package	H 220 x W 560 x D 435mm
Net weight	7 kg (standard configuration)

Mounting

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)
iDPM module for VGA
iDPM module for DP

iDPM module for LVDS
IPMI 2.0 Management module with 2620 BMC chip
IPMI 2.0 Management module with 2600 BMC chip w/ KVM support
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



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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

Warranty and After Sales Support

Standard 1 year (option for 3 years)



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