

# Blue Line IGPU-3100

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## Highlights

Blue Line IGPU-3100 is a compact, powerful and advanced GPU solution that offers high performance and can be configured based on individual needs.

It is specifically designed for AI and deep learning inference platforms, making it an ideal choice for those in need of efficient and modern computing power. Built for 24/7 operation in various environments.

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.

- Extended product life cycle
- Compact chassis
- 1 x double-slot GPU up to 230W TDP
- 12th generation Intel Core CPU
- Supports Intel VMD
- Supports Windows 10 / 11 / Linux
- Build-to-order configured to the requirements



**BLUE LINE**  
IT for Demanding Environments

- has more than 30 years experience
- delivers reliable IT solutions for demanding environments
- builds compact and high performance solutions
- focuses on long duration, 24/7-operation, and ruggedness
- is ISO 9001:2015-certified
- is known for providing the best assistance and services in all phases.

# Blue Line IGPU-3100

## Specifications

### Model Type

GPU

### Form Factor

Compact with front I/O only

### Construction

Aluminum extrusion heavy duty cold rolled steel

### Cooling

Fanless with standard configuration  
Option external add-on fan for CPU  
Option internal add-on fan for GPU

### Environment

Operating temperature 0°C to +60°C w/ 0,7m/s ambient air flow  
(-20°C to +60°C with wide temp MEM / SSD)  
Humidity 10% to 90%, non-condensing  
Vibration IEC 60068-6-4 (W/SSD: 1Grms STD, random,  
Endurance 5-500 Hz, 1 hr/axis)

### Certification

CE (EN 61000-6-4/EN 61000-6-2), FCC

### Processor

Intel Core 12th generation i3 / i5 / i7 / i9 (up to 35W TDP)

### Chipset

Intel Q670E

### RAM

Up to 64GB, 2 x 262-pin DDR5 SO-DIMM 4800/4000MHz

### Storage

2 x 2.5" SSD / HDD drive bays with easy access  
Supports RAID 0/1

### Input / Output

6 x USB 3.2 Gen2x1 (10G) Type A  
1 x Internal USB 2.0 Type A (Up to 30mm high)  
1 x 2.5GbE RJ45 Port by Intel i226-V  
1 x 1GbE RH45 Port by Intel i219-LM with Intel AMT  
1 x RS-232/422/485 DB9 Port - COM1  
1 x DisplayPort++ with 4096 x 2160 resolution supported  
1 x HDMI with 4096 x 2160 resolution supported  
1 x DVI-D with 1920 x 1200 resolution supported  
1 x 3.5mm jack for Mic-in and Line-out  
1 x Switch for power on/off with LED (default ATX)  
1 x 4-pin TB (5.08 mm) for DC input  
1 x 4-pin TB (5.08 mm) for ignition control, remote power and remote LED

Options mod 1 4 x RS-232/422/485 module (default RS-232)  
Options mod 2 2 x RS-232/422/485 with isolated 1.5kVDC & 8-in/8-out with isolated 1.5kVDC DIO module  
Options mod 3 4 x RS-232/422/485 with isolated 2kVDC module  
Options mod 4 1 x 1GbE LAN + 2 x RS-232/422/485 + 2 x USB 3.2 Gen1x1 (5G) module  
Options mod 5 6 x Serial port (4-wire RS-232: TX/RX/RTS/CTS)/422/485 isolated 1.5kVDC & 2 CAN bus with isolated 1.5kVDC module (supports the CAN 2.0A and CAN2.0B protocol specification)

### Expansion

1 x Full-size PCI express mini card slot (USB & PCIe interface) w/SIM slot\*  
1 x M.2 key E 2230 socket  
1 x M.2 key B 3042/3050/3052/3060 socket w/SIM slot\*  
1 x PCIe x 16 gen4  
1 x PCIe x 4 gen4 (in x8 Slot)  
\*Require 4G / 5G module

### Management Software

TPM 2.0

### Operating System

Windows 10 / 11  
Windows 10 IoT Enterprise  
Linux



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## Power Supply

+18V to +36V DC-in by 4-Pin terminal block

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## Power Consumption

TBD

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## Dimension and Weight

H 192 x W 170 x D 260mm

Net weight 5.1kg (standard configuration)

Gross weight 6.2kg (standard configuration)

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## Mounting

Wall mount

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## Accessories Included

1 x 4-pin terminal block for DC power input

1 x 4-pin terminal block for Ignition

1 x Extension holder bracket kit

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## Accessories Optional

Wall mount bracket kit

Internal fan module kit

External fan module kit

Graphics card power cable ATX4P/BTX6 + 2P, L=200mm

500W AC to DC Power adapter, 24V DC

EU power core

GPS module + antenna kit

WIFI/BT module + antenna kit

4G/LTE module + antenna kit

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## Warranty and After Sales Support

Standard 1 year (option for 3 years)

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## Ordering Information

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