

# Blue Line Vehicle PC VPC-3000



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IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
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# Blue Line Vehicle PC VPC-3000



## Highlights

VPC-3000 is an ultra-compact, fanless in-vehicle computer with cutting-edge 5G connectivity. This powerful device is tailor-made for fleet management, in-vehicle digital signage, and mobile DVR applications. Equipped with Smarter Vehicle Power Ignition and wireless remote control, the VPC-3000 is built to thrive in extreme weather and operating conditions, making it an ideal solution for vehicles like snowplows, trucks, buses, taxis, and forklifts.

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



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handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry

- Fanless in-vehicle computer
- 11th generation Intel Core i7 processor
- Supports Windows 10 / 11 / Linux
- EN50155 certified
- Expansion slots for WIFI / dual WWAN/GPS/CAN
- 4 x PoE LAN w/M12 X-coded connector
- Supports 4 independent display outputs: HDMI / DP / DVI-D
- Isolated +24 to 110VDC-in for rolling stock applications
- Supports optional battery backup kit
- Wide temp -40°C to 70°C
- Build-to-order configured to your requirements

## Specifications

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### Model Type

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Fanless Vehicle PC

### Form Factor

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Slim and compact

### Construction

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Aluminum

### Cooling

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Fanless



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## Environment

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Operating Temperature	-40°C to 70°C, ambient w/ 0.6m/s airflow
Storage Temperature	-40°C to 85°C
Humidity	10% to 90% , non-condensing
	MIL-STD-810G, method 514.6, procedure I
Vibration operating	IEC60068-2-64, random, 2.5G#5a500+z, 1hr/axis
	MIL-STD-810G, method 514.6, procedure I
Shock operating	Trucks and semi-trailers 15G (11ms with SSD)

## Certification

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CE, FCC Class A, E-Mark, EN50155. EN45545-2 (R25)

## Processor

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CPU	Mobile Intel Celeron 6305E, up to 1.8GHz Mobile Intel Core 11th generation i3-1115G4E, up to 3.9GHz Mobile Intel Core 11th generation i5-1145G7E, up to 4.1GHz* Mobile Intel Core 11th generation i7-1185G7E, up to 4.4GHz* *Support vPro & PXE LAN boot ROM
Buil-in GPU	Intel Iris Xe graphics / Intel UHD Graphics

## Chipset

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SoC

## RAM

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Up to 64GB, 2 x DDR4-3200MHz, SO-DIMM Slot

## Storage

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2 x 2.5" drive bay for SATA SSD with easy access (supports RAID 0/1)



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1 x M.2 2280 key M for NVMe SSD\*

\*NVMe SSD w/additional thermal heatsink is required

## Front Input / Output

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Power on/off button

LED indicators

2 x USB 2.0 type A

2 x USB 3.2 gen 2 Type A

9 x Pre-cut holes for external SMA antenna (3 front and 7 on the side)

3 x M12 X-coded PoE, Intel i210-AT GbE\*

1 x M12 X-coded PoE, Intel i255-LM 2.5GbE supports mGig, iAMT and PXE LAN Boot RAM (i5 / i7)\*

\*60W PoE power budget

## Rear Input / Output

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1 x DP

2 x HDMI

1 x DIV-D

4 x RS-232 / 422 / 485 Serial port (auto direction control) (3 ports for M12 model)

2 x SIM card sockets supported onboard with eject

1 x LINE-out and 1 x MIC-in

6 x DI (5 to 60V) 4 x DO (5V/100mA) (option: 2 x 12V/1A output)

1 x M12 S-coded, 4-pin DC-in

1 x 3-pin for external on/off power switch

1 x Pre-cut holes for external SMA antenna

## Expansion

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1 x mPCIe full size (USB function only)

1 x mPCIe full size\*

1 x M.2 3042/52 key B\*

1 x M.2 2230 key A-E

\*combo port (1 x M.2 3042/52 key B or 1 x mPCIe full card)

## Operating System

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Windows 10 / 11



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Windows 10 IoT Enterprise

Linux Ubuntu 20.04.6 LTS (64-bit), 22.04 LTS (64-bit)

## Power Supply

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Power input isolated DC 24 to 110 VDC input for rolling stock

Power protection automatics recovery short circuit protection

Smart ignition power ignition for vehicle

Power-off delay control power-off delay time setting by software

Optional: Internal backup battery kit, 2350mAh (-20 to 55°C for discharge)\*

UPS backup time for about 10mins operation. The time varies depending on actual overall system power consumption.

## Power Consumption

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TBD

## Dimension and Weight

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Dimension	H 55 x W 365 x D 165mm
Weight	3.8kg

## Mounting

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Wall-mount

## Accessories Included

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Wall-mount kit

## Accessories Optional

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4G / 5G LTE modem + internal antenna kit

GPS modul + internal antenna kit

CAN bus module

350mAh 3S1P battery kit

## Warranty and After Sales Support

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Standard 1 year (option for 3 years)



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