

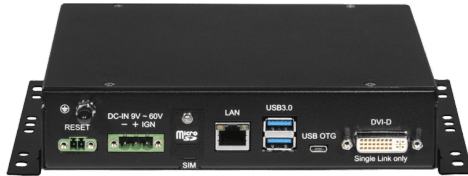
Blue Line Vehicle PC VPC-1000



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 Vehicle PC VPC-1000



Highlights

VPC-1000 is an ultra-compact, fanless in-vehicle computer with 5G or LTE connectivity, designed to seamlessly fit into tight spaces. This innovative solution is ideal for digital clusters, intelligent cockpits, and efficient fleet management. Additionally, it boasts smarter vehicle power ignition and robust support for all types of vehicles in extreme weather and operating conditions, including 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 EV smart cockpit
- NXP i.MX 8 QuadXPlus automotive grade Soc
- Built-in accelerometer, gyroscope, and magnetic sensor
- 3 x CAN / CAN FD
- 8 x DI, 4 x DO and 2 x RS-232
- 3 x M.2 slot
- Wide temp -40°C to 70°C
- Build-to-order configured to your requirements

Specifications

Model Type

Fanless vehicle PC

Form Factor

Ultra Compact

Construction

Steel

Cooling

Fanless

Environment

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



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Vibration operating	MIL-STD-810G, method 514.6, procedure I, category 4, IEC 60068-2-64,
Shock operating	MIL-STD-810G, method 516.6, procedure I, trucks and semi-trailers=15G (11ms) with SSD

Certification

CE, FCC, class A, E13, ECE, R118

Processor

	NXP i.MX 8QuadXPlus Automotive SoC (AEC-Q100 Grade 3)
CPU	Integrated 4 x Arm Cortex-A35 Cores Up to 1.2 GHz 1 x Am Cortex-M4F Core Up to 264 MHz
Built-in GPU	1 x GC700Lite with 4 x Vec4 shader cores (16 executio units)

Chipset

SoC

RAM

On-board LPDDR4 3 GB

Storage

Onboard eMMC 5.1, 32 GB
1 x Micro SD slot

Front Input / Output

1 x DVI-D Single Link
1 x USB 2.0 OTG
2 x USB 3.2 Type A 5 Gbps
1 x GbE via RJ45 Port
1 x Nano SIM Slot*



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1 x Micro SD Slot

* Internal 4G/5G LTE Modem required

Rear Input / Output

1 x RS-232 COM1 DB9 Port

1 x RS-232 / 422 / 485 COM2 DB9 Port

3 x CAN /CAN FD in one DB9 Port

8 x DI (5 to 60VDC) & 4 x DO (5VDC, 100mA)

8 x Antenna output option

1 x Ground

Expansion

1 x M.2 3042/3052 key B for 4G/5G Modem (WWAN)

1 x M.2 2242 key B for GPS

1 x M.2 key A-E for WIFI

Operating System

Yocto Linux

Power Supply

+9V to 60V power input

Power protection automatics recovery short circuit protection

Power-off delay control vehicle power ignition for variety vehicle

Power off control

Power off delay time setting by software

Power Consumption

TBD

Dimension and Weight

Dimension

H 43 x W 214 x D 150mm

Weight

1kg



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Mounting

Wall-mount

Accessories Included

Wall-mount kit

Accessories Optional

GPS module + internal antenna kit

5G / 4G LTE module + internal antenna kit

Bluetooth / WIFI module + internal antenna kit

Micro SD Card 64/128/256GB 3D TLC WT

AC to DC Power adapter 12V/5A 60W with ignition

Warranty and After Sales Support

Standard 1 year (option for 3 years)



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