

[http://www.minipc.de/catalog/il/3602]



2049.00 EUR

incl. 19% VAT, plus shipping

- VBOX-3122-i7!
- i7-1185G7E!
- 2x LAN!

Support: Specifications

The VBOX-3122 Series is a robust line of in-vehicle computers designed for high-performance and reliable operation in challenging mobile environments. Powered by the Intel® 11th Gen Core™ i7-1185G7E CPU, these systems are equipped to handle demanding applications with ease. Key features include a wide range power input (9V-60VDC), intelligent vehicle power ignition, and an array of communication interfaces. With expansion slots supporting WWAN, Wi-Fi, GPS, and CAN modules, the series ensures seamless wireless connectivity. Two RS-232/422/485 serial ports, four digital inputs/outputs, and two analog inputs provide versatile interfacing options. Additionally, the system offers multiple video outputs with 2 HDMI® and 1 DVI ports. The VBOX-3122 Series, engineered for the diverse needs of modern vehicular systems, is a testament to the convergence of advanced computing technology with rugged, mobile applications.

- Intel® 11th Gen Core™ i7-1185G7E
- 3 x M.2 & 2 x mPCle Slots for WWAN / Wi-Fi / SSD /GPS / CAN Expansion
- 9V 60VDC Wide Power Input
- Smart Vehicle Power Management
- 2 x RS-232/422/485 Serial Port
- 4 x DI / 4 x DO / 2 x Analog Input

For a full PC you need in addition:

- 1x 2.5" HDD/SSD oder m.2 SSD
- 1x DDR-IV SO-DDR-RAM (up to 32Gb)

The PC is completely fanless and is equipped with an Intel Core i7



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11th Gen Intel® Core™ i7-1185G7E 1.8GHz up to 2.8GHz

CPU

*CPU TDP is configured at 15W as the default setting.

Memory 1 x DDR4-3200 SO-DIMM Up to 32GB
Watchdog Timer Support, Offer 1 – 255 Step

TPM 2.0

Watchdog 1 ~ 255 Level Reset

Graphics Engine Intel® Iris® Xe / UHD Graphics (for Celeron® 6305E only)

1 x Intel® 2.5GbE supports vPro for Core i5 & i7

LAN SKU 1 x Intel® Gigabit Ethernet

2 x RS-232/422/485

2 x USB 3.2 Gen 2, 2 x USB 2.0

2 x RJ-45 Ports for 1 x 2.5GbE and 1 x GbE

2 x HDMI® 2.0b, 1 x DVI-D

*Only supports Single-Link DVI-D cables

4 x DI (9~60V) / 4 x DO (5V / 100mA) 2 x Analog Input (0~60V w/0.5V accuracy)

1 x MIC-in, 1 x Line-out

1 x M.2 3042/52 Key B Slot w/ 2 x SIM Card Sockets for WWAN expansion

1 x M.2 2230 Key E slot for Wi-Fi/BT module

1 x mPCle Full-size slot supports USB 3.0 and USB 2.0 w/ SIM card slot

1 x mPCle Full-size Slot supports PCle 3.0 x1 and USB 2.0

Antenna 6 x Pre-cut Hole for External SMA Antenna 1 x SATA Connector for 2.5" SATA HDD/SSD

Storage 1 x M.2 2280 Key M for NVMe SSD

Aluminum Alloy

Wall-mount, VESA-mount, Din Rail Mounting Kit

Dimensions
210 x 171 x 54 mm (w/ mounting kit) / 1800g

Operating Temp.
-40 ~ 70°C (with SSD), ambient w/ 0.6m/s airflow

Storage Temp. -40°C ~ 80°C

- Relative Humidity 10% RH - 90% RH (non-condensing)

- Vibration: IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis MIL-STD-810G, Method 514.6, Procedure I, Cat.4, DUT Operating

Enviremetal

internal I/O

Mechanical

- Shock: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semitrailers= 15G (11ms) with SSD,

DUT Operating

Certification: CE, FCC Class A, E-Mark, ECE R18, ECE R118
 DC 9 – 60V Input (Ignition Management for Variety Vehicle)

- Power off delay time setting by BIOS and SINTRONES utility

OPTIONAL: Internal battery Kit for about 10 mins operating

Power *UPS backup time varies depending on actual overall system power consumption.

*Operating temperature will be 0~55°C with the battery kit.

Patent No.: M447854 - Build-in Battery

Software Windows 10/11 IoT 64-bit, Ubuntu 20.04/22.04 LTS 64-bit