



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 mPCIe 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

|                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| CPU                     | 11th Gen Intel® Core™ i7-1185G7E 1.8GHz up to 2.8GHz                                                          |
| Memory                  | *CPU TDP is configured at 15W as the default setting.                                                         |
| Watchdog                | 1 x DDR4-3200 SO-DIMM Up to 32GB                                                                              |
| TPM                     | Watchdog Timer Support, Offer 1 – 255 Step                                                                    |
| Watchdog                | 2.0                                                                                                           |
| Graphics Engine         | 1 ~ 255 Level Reset                                                                                           |
| LAN                     | Intel® Iris® Xe / UHD Graphics (for Celeron® 6305E only)                                                      |
|                         | 1 x Intel® 2.5GbE supports vPro for Core i5 & i7                                                              |
|                         | SKU 1 x Intel® Gigabit Ethernet                                                                               |
| External I/O Connectors | 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                                                                                      |
| internal I/O            | 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 mPCIe Full-size slot supports USB 3.0 and USB 2.0 w/ SIM card slot                                        |
|                         | 1 x mPCIe Full-size Slot supports PCIe 3.0 x1 and USB 2.0                                                     |
| Antenna                 | 6 x Pre-cut Hole for External SMA Antenna                                                                     |
| Storage                 | 1 x SATA Connector for 2.5" SATA HDD/SSD                                                                      |
|                         | 1 x M.2 2280 Key M for NVMe SSD                                                                               |
| Mechanical              | Aluminum Alloy                                                                                                |
| Dimensions              | Wall-mount, VESA-mount, Din Rail Mounting Kit                                                                 |
| Operating Temp.         | 210 x 171 x 54 mm (w/ mounting kit) / 1800g                                                                   |
| Storage Temp.           | -40 ~ 70°C (with SSD), ambient w/ 0.6m/s airflow                                                              |
|                         | -40°C ~ 80°C                                                                                                  |
|                         | - Relative Humidity 10% RH – 90% RH (non-condensing)                                                          |
| Enviremetal             | - Vibration: IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis                                                    |
|                         | MIL-STD-810G, Method 514.6, Procedure I, Cat.4, DUT Operating                                                 |
|                         | - 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                                                  |
| Power                   | OPTIONAL: Internal battery Kit for about 10 mins operating                                                    |
|                         | *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                                                       |