



5998.00 EUR

incl. 19% VAT, plus [shipping](#)

- ABOX-5210G6-i9 !
- 10 Core / 20 Threads !
- up to 4.50Ghz !
- 3x MiniPCIe !

**Support:** [Specifications](#) | [Drivers](#) | [Test Tools](#) | [Manual \[EN\]](#)

- Intel® GEN 10th 10 Cores Xeon® W-1290TE / i9-10900TE
- NVIDIA® Quadro® RTX 3000 GPU
- Support 1920 CUDA Cores and 240 Tensor Cores
- 8x DI, 4x DO and 3x RS-232/422/485
- 1x M.2 B key, 1x M.2 A-E key & 3 x miniPCIe expansion slots
- Dual Hot Swappable SATA Storage RAID 0,1,5
- 9-48V DC Input and Operating Temp.: -40~60°C
- 10x LAN GbE RJ45 (Optional 8x PoE and 8x M12 X coded connectors)
- Rolling Stock EN 50155 and EN 50121-3-2 certified

The FleetPC-11 Car-PC series offers high performance and maximum connectivity and optional integrated NVIDIA GPU. The 10x LAN ports and dual hot-swappable 2.5" drive bays (RAID 0/1/5 support) and internal mSATA/M.2 module connector, the system is for example perfect for digital IP video recording applications (police, etc.) and for intensive KI/AI-applications.

3x Mini-PCIe slots allow maximum expandability options including LTE, UMTS, 3G, 3.5G, GSM/GPRS, WLAN and Bluetooth. Two SIM card slots enable redundant mobile connectivity with only one single modem card.

3x RS232/422/485, 4x digital In/Out and 4xUSB3.0 allow maximum connectivity. 2x HDMI + 3x dP (from RTX GPU) connectors allow

the connection of a variety of displays. The integrated graphics unit supports DirectX 12, Vulkan, OpenGL 4.5, OpenCL and CUDA.

Extensive setup and programming options and Watchdog-ability, optional backup battery kit, wide input range (9-48V), extended temperature range (-40° to 70° C) and vibration-/schock-/eMark-certification complete the offer and make the FleetPC-11 series the ultimate platform for any mobile application need.

This MiniPC was especially designed for fleet applications. The Car-PC can be connected directly to the car battery (12V/24V). Based on ignition plus, the PC will start and shutdown.

For a full PC you need in addition :

- 1-2x 2.5" HDD/SSD oder m.2 SSD
- DDRIV SO-DDR-RAM

The PC is completely fanless and is equipped with an Intel Core i9-10900TE.

**Available additional modules:**

The PC comes with 4x antenna-output and 3x Mini-PCIe slots.

We recommend these modules:

- [LTE / HSPA / UMTS / EDGE Mini-PCIe Modem \(Huawei ME909s-120\)](#)
- [Wireless LAN / Bluetooth Mini-PCI Express \[Qcom Combo\]](#)

**Features :**

- Fanless
- Intel Core i9-10900TE 10x4.50Ghz CPU
- Dual Hot Swappable SATA Storage + mSATA/M.2
- Dual Sim card slot
- 4x USB3.0
- 3x RS232
- 10x Gigabit LAN (optional 8x with POE, max. 100W)
- 2x HDMI
- 3x dP
- Watchdog
- Prepared for GPS, WLAN, GSM/GPRS with ext. antennas
- 8x DI / 4x DO
- Vibration/shock tested

|             |  |
|-------------|--|
|             | Intel® Gen10 Xeon® W-1290TE (20M Cache 2.0GHz up to 4.6GHz)*   |
|             | Intel® Gen10 Core™ i9-10900TE (20M Cache 2.0GHz up to 4.5GHz)  |
|             | Intel® Gen10 Core™ i7-10700TE (16M Cache 2.0GHz up to 4.4GHz)  |
| CPU         | Intel® Gen10 Core™ i5-10500TE (12M Cache 2.3GHz up to 3.7GHz)  |
|             | Intel® Gen 10 Core™ i3-10100TE (6M Cache 2.3GHz up to 3.6GHz)  |
|             | Intel® Gen10 Core™ G5900TE (4M Cache 3.0GHz)   |
|             | *Use only with Intel W480E   |
| Chipset     | Q470E / W480E  |
| Memory      | 2 x DDR4 2666/2933 MHz SO-DIMM up to 64GB (Optional ECC support with Xeon® W-1290TE)                   |
| LAN Chipset | 9 x Intel® i210-AT and 1 x i219LM (support iAMT) Gb/s Ethernet Controllers Onboard Support PXE and WOL |
| Watchdog    | 1 ~ 255 Level Reset  |
| TPM         | 2.0  |
| Serial Port | 3 x RS 232/422/485 (option additional 1 x RS 232/422/485)  |
| USB Port    | 4 x USB 3.2 Gen 1x1 Ports  |
| LAN         | 10 x RJ45 Ports for GbE (Optional 8 with M12 X coded connectors and 8 x POE total Max.120W)            |
| Video Port  | 3 x DP, 2 x HDMI Ports   |
| DIO Port    | 8 xDI (5~48VDC) and 4 x DO (5VDC, 100mA)   |

|                         |  |
|-------------------------|--|
| Audio                   | 1 x Line-out, 1 x Line-in and 1 x Mic-in<br>2 x Full Mini-PCIe Slots and 1 x Full Mini-PCIe Slot w/ USB interface only for WWAN sharing 2 x SIM  |
| Expansion Bus           | Card Sockets with M.2 B Key 3042 slot<br>1x M.2 A-E Key 2230 slot, 1 x M.2 B Key 3042 slot w/ 2 x SIM Card Sockets for WWAN  |
| MXM Graphics            | NVIDIA® Quadro® RTX 3000 GPU (1920 CUDA Cores & 240 Tensor Cores) w/6GB GDDR6<br>Max Resolution :1920 x 1080 @ 60Hz w/o HDMI audio   |
| Built-in Graphics       | Intel® UHD Graphics 630 for z9/i9/i7/i5/i3, Intel® UHD Graphics 610 for G5900TE<br>Max Resolution (DP 1.2) : 4096 x 2340 @ 60Hz<br>2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 |
| Type                    | 1 x M.2 M key 2280 slot supports NVMe and SATA SSD<br>* Thermal heatsink is required for M.2 storage. Please contact sales window for more information.                                  |
| Power Input             | 9V -48V DC Power Input   |
| Power Protection        | Automatics Recovery Short Circuit Protection   |
| Power Management        | Vehicle Power Ignition for Variety Vehicle   |
| Power Off Control       | Power off Delay Time Setting by Software and BIOS  |
| Battery Backup (Option) | Internal Battery Kit for 10 Mins Operating (P/N: BAT-5200 kit, Operating Temp. -20 ~ 60°C)   |
| Dimensions (LxWxH)      | 260 x 250 x 95 mm  |
| Mounting                | Wall-mount   |
| Weight                  | 5,300g (bare-bone)   |
| Relative Humidity       | 10% RH – 90% RH (non-condensing)   |
| Operating Temp.         | -40°C ~ 60°C w/0.6 m/S airflow   |
| Storage Temp.           | -40°C ~ 80°C   |
| Certifications          | CE, FCC Class A, E13, EN50155<br>M592609 - Automatic SIM Card Detection  |
| Patent No. (Taiwan)     | M565941 - Thermal Cooling<br>M447854 - Build-in Battery  |
| Part Number             | ABOX-5210xyy-zz (x= P= w/PoE, x= Empty= w/o PoE, yy=G6=RTX 3000, zz= i9= i9-10900TE, zz= i7= i7-10700TE, zz= i5= i5-10500TE, zz= i3= i3-10100TE, zz= C1= G5900TE)                        |
| Description             | Intel® Gen 10th 10 Cores Xeon®, i9 CPU w/ 10 x GbE (Optional 8 x PoE)/3 x COM/ 3 x DP/ 2 x HDMI/4 x USB 3.2 Gen 1x1/ NVIDIA® Quadro® RTX 3000 GPU/ 9-48V Input AI GPU Computing          |