



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 \[EN\]](#) | [Drivers \(Nvidia\)](#)

- 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 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 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 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 Max Resolution (DP 1.2) : 4096 x 2340 @ 60Hz 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 * 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 M592609 - Automatic SIM Card Detection
Patent No. (Taiwan)	M565941 - Thermal Cooling 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