





5998.00 EUR

incl. 19% VAT, plus shipping

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

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 miniPCle 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



FleetPC-11-RTX3000 Car-PC (Intel Core i9-10900TE, 6x4.0Ghz, NVIDIA RTX3000 GPU, 9-48V Automotive PSU, 10x LAN, 3x dP, 2x HDMI) [FANLESS]

[http://www.cartft.com/catalog/il/3103]

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-PCle 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

CPU

LAN Chipset

- 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 $^{\text{TM}}$ i9-10900TE (20M Cache 2.0GHz up to 4.5GHz) Intel® Gen10 Core $^{\text{TM}}$ i7-10700TE (16M Cache 2.0GHz up to 4.4GHz) Intel® Gen10 Core $^{\text{TM}}$ 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)

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)



Built-in Graphics

FleetPC-11-RTX3000 Car-PC (Intel Core i9-10900TE, 6x4.0Ghz, NVIDIA RTX3000 GPU, 9-48V Automotive PSU, 10x LAN, 3x dP, 2x HDMI) [FANLESS]

[http://www.cartft.com/catalog/il/3103]

Audio 1 x Line-out, 1 x Line-in and 1 x Mic-in

2 x Full Mini-PCle Slots and 1 x Full Mini-PCle 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

NVIDIA® Quadro® RTX 3000 GPU (1920 CUDA Cores & 240 Tensor Cores) w/6GB GDDR6

MXM Graphics

Max Resolution :1920 x 1080 @ 60Hz w/o HDMI audio

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. $-40^{\circ}\text{C} \sim 60^{\circ}\text{C} \text{ w/0.6 m/S airflow}$

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