3929.00 EUR
incl. 19% VAT, plus shipping

- ABOX-5210 !
- 10 Core / 20 Threaths !
- up to 4.50Ghz !
- 2x M.2 + 3x MiniPCIe !

Support: Datasheet

- Intel® GEN 10th CPU i7-10700TE
- NVIDIA® Quadro® RTX A4500/A2000/3000 & NVIDIA® Quadro® T1000
- 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 certified

The FleetPC-11 Car-PC series offers high performance and maximum connectivity and integrated NVIDIA Quadro® RTX A4500/A2000/3000 & NVIDIA® Quadro® T1000.

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 i7-10700TE.

Available additional modules:
The PC comes with 6x antenna-output, 2x M.2 Slot 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
- 10th Gen Intel® i7-10700TE
- NVIDIA® Quadro® RTX A4500/A2000/3000 & NVIDIA® Quadro® T1000
- 8 x DI, and 4 x DO and 3 x RS-232/422/485
- 1 x M.2 B key, 1 x M.2 A-E key & 3 x Mini PCIe expansion slots
- Dual Hot-swappable SATA Storage RAID 0,1,5
- 9~48V DC Power Input
- 10 x GbE RJ45 (Optional 8 x PoE & 8 x M12 X-Code Connectors)
- Rolling Stock EN 50155 & EN 50121-3-2 Certified

CPU	Intel Gen10 Xeon W-1290TE (20M Cache 1.8GHz up to 4.6GHz)* Intel Gen10 Core i9-10900TE (20M Cache 1.8GHz up to 4.5GHz) Intel Gen10 Core i7-10700TE (16M Cache 2.0GHz up to 4.4GHz) 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 / W48E
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 (iAMT9.5 w/ i5, i7 only) 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 5Gbps 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 (Intel built-in GPU), 2 x HDMI Ports (MXM graphics)

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
Expansion Bus	1x M.2 A-E Key 2230 slot, 1 x M.2 B Key 3042 slot w/ 2 x SIM Card Sockets for WWAN 2 x Full Mini-PCIe Slots and 1 x Full Mini-PCIe Slot w/ USB interface only for WWAN sharing 2 x SIM Card Sockets with M.2 B Key 3042 Slot
CPU 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
MXM Graphics (Optional)	NVIDIA® Quadro® RTX A4500 Mobile GPU NVIDIA® Quadro® RTX A2000 Mobile GPU NVIDIA® Quadro® RTX 3000 Mobile GPU NVIDIA® Quadro® T1000 Mobile GPU Max Resolution: 1920 x 1080 @ 60Hz without HDMI Audio
Type	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 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 (Optional)	Internal Battery Kit for 10 Mins Operating (Charging Temp. 0~45°C, Discharging Temp. -10~60°C) *UPS backup time varies depending on actual overall system power consumption and battery is required to be charged before using.
Dimensions (LxWxH)	260 x 250 x 95 mm
Mounting	Wall-mount
Weight	5300g (bare-bone)
Relative Humidity	10% RH – 90% RH (non-condensing)
Operating Temp.	-40°C ~ 70°C w/0.6 m/s airflow (for barebone system) *The operating temp. varies by accessories installed.
Storage Temp.	-40°C ~ 80°C
Certifications	CE, FCC Class A, E13, ECE R118, EN50155, EN45545-2 R25
Patent No. (Taiwan)	M592609 - Automatic SIM Card Detection 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, yy=G7=T1000, zz=Z9= W-1290TE, zz= i9= i9-10900TE, zz= i7= i7-10700TE, zz= i5= i5-10500TE, zz= i3= i3-10100TE, zz= C1= G5900TE)
Description	Intel 10th Gen 10 Cores Xeon, i9 CPU w/ NVIDIA® Quadro® GPU Option/ 10 x GbE (Optional 8 x PoE)/ 3 x COM/ 3 x DP/ 2 x HDMI/ 4 x USB 3.2 Gen 5Gbps/ 9-48V Input AI GPU Computing