FleetPC-13-RTX3500 Car-PC (Intel Core i9-14900T, 9-60V Automotive Powersupply, 2x LAN, 2x HDMI, 2x dP) [FANLESS]
[http://www.cartft.com/catalog/il/3756]

6879.00 EUR
incl. 19% VAT, plus shipping

- **Intel Core i9-14900T !**
- **ABOX-5220G-i9-RTX3500 !**
- **NVIDIA RTX™ Embedded 2000 Ada !**

Support: Specifications

The FleetPC-13 provides a wide selection of Intel® Core™ processors ranging from i9 14900T to i3 14100T, all integrated with the Intel® UHD 700 series graphics, poised to offer a viable solution to significantly reduce response time for computation-intensive AI tasks at different scales.

Beyond handling instant visual data analytics and facilitating decision-making processes, the AI-fueled computer is prepared to fulfill the advanced demands for elevating creativity and efficiency to the next level by offering an alternative to dedicated GPUs such as NVIDIA RTX™ and Intel® Arc™ graphics, geared up with a much more powerful engine for ultra high-performance computing capabilities to tackle extremely complex calculation and massive amounts of data for edge AI inferencing directly at local devices, without the need for transmitting data back and forth between cloud servers and edge systems.

- Intel® Core™ i9-14900T 14th Generation / RTX3500 Ada
- 2 x TSN Ready 2.5GbE Controller for Time-Sensitive Network
- 8 x GbE with Optional PoE Support for Easy Connection with IP Camera
- 8 x DI (9~60VDC), 2 x ADC (9~60VDC), and 4 x DO (5V, 100mA)
- Certified with CE, FCC, and E-Mark
- Compliant with EN 50155, EN 45545-2 R25 Standardsg

For a full PC you need in addition :
- 1x M.2 2280 Key M PCIe 4.0 x4 NVMe SSD
- 1-2x SO-DIMM DDR5-4800 (up to 64Gb)

The PC is completely fanless and is equipped with an Intel Core i9

CPU	Intel® Core™ i9 processor 14900T R680E Chipset
Memory	2 x SO-DIMM Support DDR5-4800 up to 64GB (ECC Support with ECC DRAM)
Watchdog	System power on/off 1 ~ 255 min setting by BIOS
TPM	2.0
Graphics Engine	NVIDIA RTX™ Embedded 3500 Ada
LAN	2 x I226-IT 2.5GbE RJ45 and 8 x I210-AT GbE RJ45 (Optional PoE with Total 120W Power Budget and M12 X-coded Connectors)
External I/O Connectors	4 x RS-232/422/485 Serial Port 8 x USB 3.2 Gen 2×1 10Gbps 8 x DI (9~60VDC), 4 x DO (5V, 100mA) 2 x ADC (9~60VDC)
	2 x I226-IT 2.5GbE RJ45 and 8 x I210-AT GbE RJ45 (Optional PoE with Total 120W Power Budget and M12 X-coded Connectors)
	2 x HDMI®(Maximum Resolution : 4096 x 2160 @ 60Hz) Additional 2 x HDMI (Maximum Resolution : 4096 x 2160 @ 60Hz)
	2 x HDMI®(Maximum Resolution : 4096 x 2160 @ 60Hz) Additional 2 x DP 1.4 (Maximum Resolution : 7680 x 4320 @ 60Hz)

internal I/O	2 x Mini-PCIe 2 x M.2 3042/52 Key B for WWAN (USB3.0) with Dual SIM Support 1 x M.2 2230 Key E for WiFi
Antenna	8 x Pre-cut Hole for External SMA Antenna
Storage	2 x M.2 2280 Key M for PCIe 4.0 x4 NVMe SSD 1 x M.2 2280 Key M for PCIe 4.0 x4 NVMe or SATA SSD (Auto Dectection) 2 x 2.5” Drive Bay for SATA Type SSD * RAID 0/1/5 support via Intel® VMD.
Mechanical	Aluminum Alloy Wall-mount
Dimensions	290 x 250 x 98 mm (w/ mounting kit) / 8500g
Operating Temp.	-40°C ~ 70°C w/0.6 m/s airflow (for barebone system)
Storage Temp.	-40°C ~ 80°C
Enviremetal	- Relative Humidity 10% RH – 90% RH (non-condensing) - Vibration: MIL-STD-810G, Method 514.6, Procedure I, Cat.4 (Operating) IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/ axis - Shock: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD (Operating) - Certification: CE, FCC, E-Mark Compliant with EN 50155, EN 45545-2 R25 Standards

Power	DC 9 – 60V Input (Ignition Management for Variety Vehicle) - OCP, OVP, Surge and Reversed Polarity Protection - Ignition Detection, and Power off Delay Time Setting by Software Optional Internal Battery Kit for 10 Mins Operating Time (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.
Software	Windows 10 IoT Enterprise LTSC Windows 11 IoT Enterprise LTSC Ubuntu Desktop 22.04