



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)

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|-----------------|--|
| internal I/O | <p>2 x Mini-PCle</p> <p>2 x M.2 3042/52 Key B for WWAN (USB3.0) with Dual SIM Support</p> <p>1 x M.2 2230 Key E for WiFi</p> |
| Antenna | 8 x Pre-cut Hole for External SMA Antenna |
| Storage | <p>2 x M.2 2280 Key M for PCIe 4.0 x4 NVMe SSD</p> <p>1 x M.2 2280 Key M for PCIe 4.0 x4 NVMe or SATA SSD (Auto Detection)</p> <p>2 x 2.5" Drive Bay for SATA Type SSD</p> <p>* RAID 0/1/5 support via Intel® VMD.</p> |
| Mechanical | <p>Aluminum Alloy</p> <p>Wall-mount</p> |
| 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 | <p>- Relative Humidity 10% RH – 90% RH (non-condensing)</p> <p>- Vibration: MIL-STD-810G, Method 514.6, Procedure I, Cat.4 (Operating) IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis</p> <p>- Shock: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD (Operating)</p> <p>- Certification: CE, FCC, E-Mark Compliant with EN 50155, EN 45545-2 R25 Standards</p> |

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