



3069.00 EUR

incl. 19% VAT, plus [shipping](#)

- Intel Core i9-14900T !
- ABOX-5220G-i9 !

- Intel® Core™ i9-14900T 14th Generation
- 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<br>R680E Chipset                                                                                                                                                                                                                                                                                                                                                                                                            |
| Memory                  | 2 x SO-DIMM Support DDR5-4800 up to 64GB<br>(ECC Support with ECC DRAM)                                                                                                                                                                                                                                                                                                                                                                                      |
| Watchdog                | System power on/off 1 ~ 255 min setting by BIOS                                                                                                                                                                                                                                                                                                                                                                                                              |
| TPM                     | 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Graphics Engine         | Processor Built-in GPU – Intel® UHD 700 Series Graphics                                                                                                                                                                                                                                                                                                                                                                                                      |
| LAN                     | 2 x I226-IT 2.5GbE RJ45 and 8 x I210-AT GbE RJ45<br>(Optional PoE with Total 120W Power Budget and M12 X-coded Connectors)<br>4 x RS-232/422/485 Serial Port<br>8 x USB 3.2 Gen 2x1 10Gbps<br>8 x DI (9~60VDC), 4 x DO (5V, 100mA)<br>2 x ADC (9~60VDC)                                                                                                                                                                                                      |
| External I/O Connectors | 2 x I226-IT 2.5GbE RJ45 and 8 x I210-AT GbE RJ45<br>(Optional PoE with Total 120W Power Budget and M12 X-coded Connectors)<br><br>2 x HDMI®(Maximum Resolution : 4096 x 2160 @ 60Hz)<br><br>2 x HDMI®(Maximum Resolution : 4096 x 2160 @ 60Hz)<br>2 x Mini-PCle                                                                                                                                                                                              |
| internal I/O            | 2 x M.2 3042/52 Key B for WWAN (USB3.0) with Dual SIM Support<br>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<br>1 x M.2 2280 Key M for PCIe 4.0 x4 NVMe or SATA SSD (Auto Detection)<br>2 x 2.5" Drive Bay for SATA Type SSD<br>* RAID 0/1/5 support via Intel® VMD.                                                                                                                                                                                                                                                          |
| Mechanical              | Aluminum Alloy<br>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<br><br>- Relative Humidity 10% RH – 90% RH (non-condensing)<br><br>- Vibration: MIL-STD-810G, Method 514.6, Procedure I, Cat.4 (Operating)<br>IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis                                                                                                                                                                                                                                                     |
| Enviremetal             | - Shock: MIL-STD-810G, Method 516.6, Procedure I,<br>Trucks and semi-trailers=15G (11ms) with SSD (Operating)<br><br>- Certification: CE, FCC, E-Mark<br>Compliant with EN 50155, EN 45545-2 R25 Standards                                                                                                                                                                                                                                                   |
| Power                   | DC 9 – 60V Input ( Ignition Management for Variety Vehicle )<br><br>- OCP, OVP, Surge and Reversed Polarity Protection<br><br>- Ignition Detection, and Power on Delay Time Setting by Software<br><br>Optional Internal Battery Kit for 10 Mins Operating Time (Charging Temp. 0~45°C, Discharging Temp. -10~60°C)<br><br>* 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