**FleetPC-4-G Car-PC (Intel Atom x7000RE/Twin Lake, 9-60V, CAN FD) [FANLESS]**
[http://www.minipc.de/catalog/il/4088]







0.00 EUR
incl. 19% VAT, plus shipping

- **Intel Atom x7000RE !**
- **4-Port PoE option !**
- **CAN FD onboard !**
- **VBOX-3132 Series !**

This fanless FleetPC was designed for vehicle, transportation and surveillance applications. Depending on the model, the VBOX-3132 series provides Intel Atom x7000RE or Intel Twin Lake processors, intelligent power management with ignition detection, and CAN FD for vehicle device communication.

The PoE variants provide four GbE PoE ports for IP cameras or other IoT devices. Non-PoE variants provide two 2.5GbE interfaces and support an optional Battery Backup Unit (BBU).

**Features :**
- Fanless aluminum housing
- Intel Atom x7000RE or Intel Twin Lake processor, depending on model
- 9-60V DC input with Smart Power Management and ignition detection
- 1 x CAN FD for vehicle communication
- 4 x PoE or 2 x 2.5GbE, depending on model
- Dual Nano SIM support for WWAN
- Two M.2 2280 slots for NVMe and NVMe/SATA SSD
- DIN-rail or wall-mount installation

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|---|---|
| Dimensions / Weight | RJ-45 model: 150 x 150 x 65 mm<br>M12 PoE model: 150 x 150 x 87 mm<br>RJ-45 PoE model: 1.5 kg<br>M12 PoE model: 1.79 kg |
| CPU | Intel Atom x7835RE Octa-core up to 3.6 GHz<br>Intel Atom x7433RE Quad-core up to 3.4 GHz<br>Intel Twin Lake Core 3 N355 Octa-core up to 3.9 GHz (project-based SKU)<br>Intel Twin Lake N150 Quad-core up to 3.2 GHz |
| RAM | 1 x SO-DIMM DDR5 up to 16 GB |

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| Graphics | Intel UHD Graphics |
| Watchdog | Auto reset for unresponsive system |
| TPM | 1 x TPM 2.0 |
| Expansion | 1 x M.2 3042/3052 Key B for WWAN with dual Nano SIM support<br>1 x M.2 2230 Key E for Wi-Fi/BT |
| Storage | 1 x M.2 2280 Key M for NVMe SSD<br>1 x M.2 2280 Key M for NVMe/SATA SSD |
| I/O | 1 x HDMI with support for 4K@60Hz as specified in HDMI 2.0b<br>2 x USB 3.2, 2 x USB 2.0<br>2 x RS-232/422/485 ports, expandable with 4 optional COM ports<br>1 x CAN FD<br>8 x DI (5-48VDC), 4 x DO (12VDC/100mA)<br>1 x Line-out, 1 x Mic-in (Optional)<br>6 x SMA connector panel mount hole |
| LAN | PoE model: 1 x 2.5GbE from I226-IT and 4 x GbE PoE from Marvell Ethernet Switch via RJ-45 or M12 X-code<br>PoE: PSE Class 3, 15W per port, 60W power budget, shared with 1GbE bandwidth<br>Non-PoE model: 2 x 2.5GbE |
| Power supply | DC 9-60V input<br>PoE models: 24V or above recommended<br>OCP, OVP, surge protection and reversed polarity protection<br>Ignition detection and Smart Power Management<br>Optional Battery Backup Unit for non-PoE model |
| OS Support | Windows 11 IoT Enterprise LTSC<br>Ubuntu 24.04 LTS |
| Vibration & Shock | Vibration: IEC 60068-2-64, random, 2.5G@5~500Hz, 1hr/axis<br>MIL-STD-810H, Method 514.8, Procedure I, Category 4<br>Shock: MIL-STD-810H, Method 516.8, Procedure I, trucks and semi-trailers=15G (11ms) |
| Operating temperature | x7000RE Processor: -40°C ~ 70°C with 0.6 m/s airflow<br>N-series Processor: -30°C ~ 70°C with 0.6 m/s airflow<br>Storage: -40°C ~ 80°C<br>Relative Humidity: 10% RH - 90% RH (non-condensing) |
| Certification | CE, FCC Class A, UKCA, E-Mark, EN 62368-1, EN 50155, EN 45545-2 (R25) |
| Mechanical | Aluminum Alloy with Fanless Design<br>DIN rail, Wall-mount |