

# FleetPC-9B

Intel 8th Gen Core i7/i5/i3 CPU w/ 10 x GbE (Optional for 8 x PoE)/ 3 x COM/ 3 x DP/ 4 x USB 3.0/ 9-48V/ AI GPU Computing



## Features

- Intel 8th Gen Core i7/i5/i3
- 10 x GbE LAN (Optional for 8 x PoE)
- 8 x GPI, 4 x GPO and 3 x RS-232/422/485
- 3 x Display Ports
- Dual Hot Swappable SATA Storage RAID 0,1,5
- 9-48V DC Input and Operating Temp.: -40~70°C
- TPM 2.0

Taiwan Patent No. M447854

## System

|                    |  |
|--------------------|--|
| <b>CPU</b>         | Intel Gen8 Core i7-8700T (12M Cache 2.4GHz up to 4.0GHz)<br>Intel Gen8 Core i5-8500T (9M Cache 2.1GHz up to 3.5GHz)<br>Intel Gen8 Core i3-8100T (6M Cache 3.1GHz)<br>Intel Gen8 Celeron G4900T (2M Cache 2.9GHz) |
| <b>Memory</b>      | 2 x DDR4 2400 MHz SO-DIMM up to 32GB   |
| <b>LAN Chipset</b> | 9 x Intel i210-AT and 1 x i219 (support iAMT) Gb/s Ethernet<br>Controllers Onboard Support PXE and WOL   |
| <b>Watchdog</b>    | 1 ~ 255 Level Reset  |
| <b>TPM</b>         | 2.0  |

## I/O

|                      |  |
|----------------------|--|
| <b>Serial Port</b>   | 3 x RS 232/422/485 (Auto Direction Control)  |
| <b>USB Port</b>      | 4 x USB 3.0 Ports  |
| <b>LAN</b>           | 10 x RJ45 Ports for GbE (Optional for 8 x POE total Max.100w)                              |
| <b>Video Port</b>    | 3 x DP Ports   |
| <b>DIO Port</b>      | 8 x GPI and 4 x GPO  |
| <b>Audio</b>         | 1 x Line-out, 1 x Line-in and 1 x Mic-in   |
| <b>Expansion Bus</b> | 3 x Full Mini-PCIe Slots and 1x M.2 A-E Key 2230 slot<br>(2 x SIM Card Sockets for 3G/LTE) |

## Graphics

|                   |                                      |
|-------------------|--------------------------------------|
| <b>Graphics</b>   | Intel® UHD Graphics 630              |
| <b>Resolution</b> | Max Resolution (DP) : 4096x2304@60Hz |

## Power Requirement

|                          |   |
|--------------------------|---|
| <b>Power Input</b>       | 9V - 48V DC Power Input                               |
| <b>Power Protection</b>  | Automatics Recovery Short Circuit Protection          |
| <b>Power Management</b>  | Vehicle Power Ignition for Variety Vehicle            |
| <b>Power Off Control</b> | Power off Delay Time Setting by BIOS and Software     |
| <b>Battery (UPS)</b>     | Internal Battery Kit for 10 Mins Operating (optional) |

Patent No. : M447854 - Build-in Battery

## Storage

|             |  |
|-------------|--|
| <b>Type</b> | 2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5<br>1 x mSATA |
|-------------|--|

## Environmental

|                            |   |
|----------------------------|---|
| <b>Operating Temp.</b>     | -40°C ~ 70°C  |
| <b>Storage Temp.</b>       | -40°C ~ 80°C  |
| <b>Relative Humidity</b>   | 0% RH – 95% RH  |
| <b>Vibration(random)</b>   | IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis with SSD  |
| <b>Vibration Operating</b> | MIL-STD-810G, Method 514.6, Procedure I, Category 4   |
| <b>Shock</b>               | Operating: MIL-STD-810G, Method 516.6, Procedure I,<br>Trucks and semi-trailers=15G (11ms) with SSD |
| <b>Certifications</b>      | CE, FCC Class A, E13  |

## Mechanical

|                     |                            |
|---------------------|----------------------------|
| <b>Construction</b> | Aluminum Alloy             |
| <b>Mounting</b>     | Wall-mount                 |
| <b>Weight</b>       | 5080g (Barebone)           |
| <b>Dimensions</b>   | 260(L) x 250(W) x 95(H) mm |

## Ordering Information

|                    |   |
|--------------------|---|
| <b>Part Number</b> | ABOX-5200P-i7 Optional for i5/i3/C1 (with PoE)<br>ABOX-5200-i7 Optional for i5/i3/C1                  |
| <b>Description</b> | Intel 8th Gen Core i7/i5/i3 CPU w/ 10 x GbE/ 3 x COM/<br>3 x DP/ 4 x USB 3.0/ 9-48V/ AI GPU Computing |