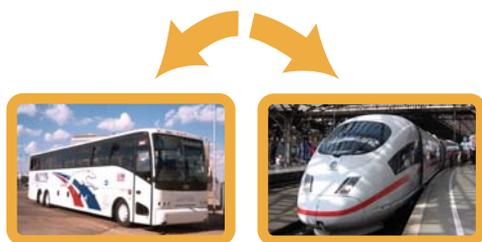# FleetPC-4

## Intel Atom 1.6GHz In-Vehicle Computer with Isolated 9~36V DC Input

**Power Ignition**

**Isolation**

**Wide Range**

**Wireless**

**Battery Backup**

## Features

- Intel® Atom™ N270 1.6GHz processor
- Wireless communication support 3.5G, WLAN, GPS, GSM/GPRS, Bluetooth
- 9V - 36V DC Power Input with 1500VDC Isolation
- Smarter Vehicle Power Ignition for variety vehicle
- Support 2 x RS-232 with 5V/12V output
- Support 2 x DI / 2 x DO with Relay 12V / 100mA

## System

| | |
|---|---|
| **CPU** | Intel Atom™ N270 1.6GHz Processor with 533MHz FSB |
| **Memory** | 1 x DDRII-533 SO-DIMM Up to 2GB |
| **Chipset** | Intel 945GSE + ICH7M |
| **Graphics** | Integrated Intel GMA950 GFx Core in 945GSE MCH |
| **ATA** | 1 x Serial ATA Port with 150MB/s HDD Transfer Rate |
| **LAN Chipset** | 2 x Intel 82574L Gigabit Ethernet |
| **Watchdog** | 1 ~ 255 Level Reset |

## I/O

| | |
|---|---|
| **Serial Port** | Support 2 x RS-232 with 5V/12V Output (COM1 with RS-232/422/485) |
| **USB Port** | 3 x USB 2.0 Ports |
| **LAN** | 2 x RJ45 Ports for GbE |
| **Video Port** | 1 x DVI-I Female Connector for DVI-D and VGA Output |
| **GPIO Port** | Support 2 in and 2 out with Relay 12V / 100mA |
| **Audio** | Mic-in/Line-out |
| **Expansion Bus** | 2 x Mini-card Slot |
| **Antenna** | 4 x SMA-type External Antenna Connectors for WLAN / UMTS / GSM / GPRS / GPS / Bluetooth |

## Power Requirment

| | |
|---|---|
| **Power Input** | 9V - 36V DC Power Input with 1500VDC Isolation |
| **Power Management** | Vehicle Power Ignition for Variety Vehicle |
| **Power Off Control** | Power off Delay Time Setting by Software, Default is 5 Mins |
| **Backup Battery** | Internal Battery Kit for 10 Mins Operating (Optional) |

## Qualification

| | |
|---|---|
| **Certifications** | CE, FCC, eMark |

## Storage

| | |
|---|---|
| **Type** | 1 x 2.5" drive bay for SATA Type Hard Disk Drive / SSD |

## Environmental

| | |
|---|---|
| **Operating Temp.** | -20 ~ 70ºC (SSD), ambient w/ air |
| **Storage Temp.** | -40 ~ 80ºC |
| **Relative Humidity** | 10 ~ 90% (non-condensing) |
| **Vibration(random)** | 2.5g@5~500 Hz with SSD |
| **Vibration Operating** | MIL-STD-810F, Method 514.5, Category 20, Ground Vehicle-Highway |
| **Truck Storage** | MIL-STD-810F, Method 514.5, Category 24, Integrity Test |
| **Shock** | Operating: MIL-STD-810F, Method 516.5, Procedure I, Trucks and semi-trailers=40G(11ms), Non-Operating 80G with SSD |
| **Crash Hazard** | MIL-STD-810F, Method 516.5, Procedure V, Ground equipment=100g |

## Mechanical

| | |
|---|---|
| **Construction** | Aluminum alloy |
| **Mounting** | Supports both of wall-mount/VESA-mount |
| **Weight** | 1406g |
| **Dimensions** | 182 x 167 .6 x 47 mm (with battery kit) |

## Ordering Information

| | |
|---|---|
| **Part Number** | FleetPC-4 |
| **Description** | Intel Atom 1.6GHz In-Vehicle Computer w/ Isolated 9~36V DC Input / 2 x RS-232 / 2 x GbE / 3 x USB2 |