





# VBOX-3110

Intel Cedarview Atom D2550 Dual Core 1.86GHz CPU In-Vehicle Computer with 9~32V DC Input



-  Power Ignition
-  Wide Range
-  Wireless
-  Battery Backup



## Features

- Intel Cedarview Atom D2550 Dual Core 1.86GHz
- Wireless support LTE, 3.5G, WLAN, GPS, GSM/GPRS, Bluetooth
- 9V - 32V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- Support 2 x RS-232 (COM1 with 232/422/485)
- Support 2 x DI / 2 x DO with Relay 12V / 100mA

Taiwan Patent No. M447854

## System

|             |  |
|-------------|--|
| CPU         | Intel Cedarview Atom™ D2550 Dual Core 1.86 GHz |
| Memory      | 1 x DDR3-1066 SO-DIMM up to 4GB                |
| Chipset     | Intel NM10                                     |
| Graphics    | Intel GMA3650                                  |
| ATA         | 2 x Serial ATA 2.0 Ports                       |
| LAN Chipset | 2 x Realtek 8111E Gigabit Ethernet             |
| Watchdog    | 1 ~ 255 Level Reset                            |

## I/O

|                 |   |
|-----------------|---|
| Serial Port     | Support 2 x RS-232 (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   | 3 x Mini-card Slots   |
| Antenna         | 4 x SMA-type External Antenna Connectors for LTE / WLAN / UMTS / GSM / GPRS / GPS / Bluetooth |
| SIM Card Socket | 2 x SIM Card Sockets Supported Onboard with eject   |

## Power Requirement

|                   |   |
|-------------------|---|
| Power Input       | 9V - 32V DC Power Input                                     |
| Power Management  | Vehicle Power Ignition for Variety Vehicle                  |
| Power Off Control | Power off Delay Time Setting by Software, Default is 5 Mins |
| Battery (UPS)     | Internal Battery Kit for 10 Mins Operating (Optional)       |

Patent No. : M447854 - Build-in Battery

## Qualification

|                |                                   |
|----------------|-----------------------------------|
| Certifications | CE, FCC Class A, eMark Compliance |
|----------------|-----------------------------------|

## Storage

|      |  |
|------|--|
| Type | 1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD<br>1 x SATA DOM |
|------|--|

## Software

|                  |   |
|------------------|---|
| Operating System | Windows XP, Windows 7, WES 7, WES 2009, Linux 3.0.X |
|------------------|---|

## Environmental

|                     |   |
|---------------------|---|
| Operating Temp.     | -40 ~ 70°C (SSD), ambient w/ air  |
| Storage Temp.       | -40 ~ 80°C  |
| 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,<br>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,<br>Trucks and semi-trailers=15G (11ms) with SSD |
| Crash Hazard        | MIL-STD-810F, Method 516.5, Procedure V,<br>Ground equipment=100g                                   |

## Mechanical

|              |   |
|--------------|---|
| Construction | Aluminum Alloy                                |
| Mounting     | Wall-mount, VESA-mount, Din Rail Mounting Kit |
| Weight       | 1406 g  |
| Dimensions   | 182 x 167.6 x 52 mm                           |

## Ordering Information

|             |   |
|-------------|---|
| Part Number | 763110011000  |
| Description | Intel Cedarview Atom D2550 Dual Core 1.86GHz CPU<br>In-Vehicle Computer with 9~32V DC Input |