

# OMID-OPS PC Pluggable Module

-Intel® Cedar Trail NM10 OPS

## Features

- Designed for compliance with OPS (Open Pluggable Specification) standard
- Embedded Intel® Cedar Trail Platform
- Supported Display Port, UART, USB 2.0 ,and HDMI via JAE 80-pin connector



## Specification

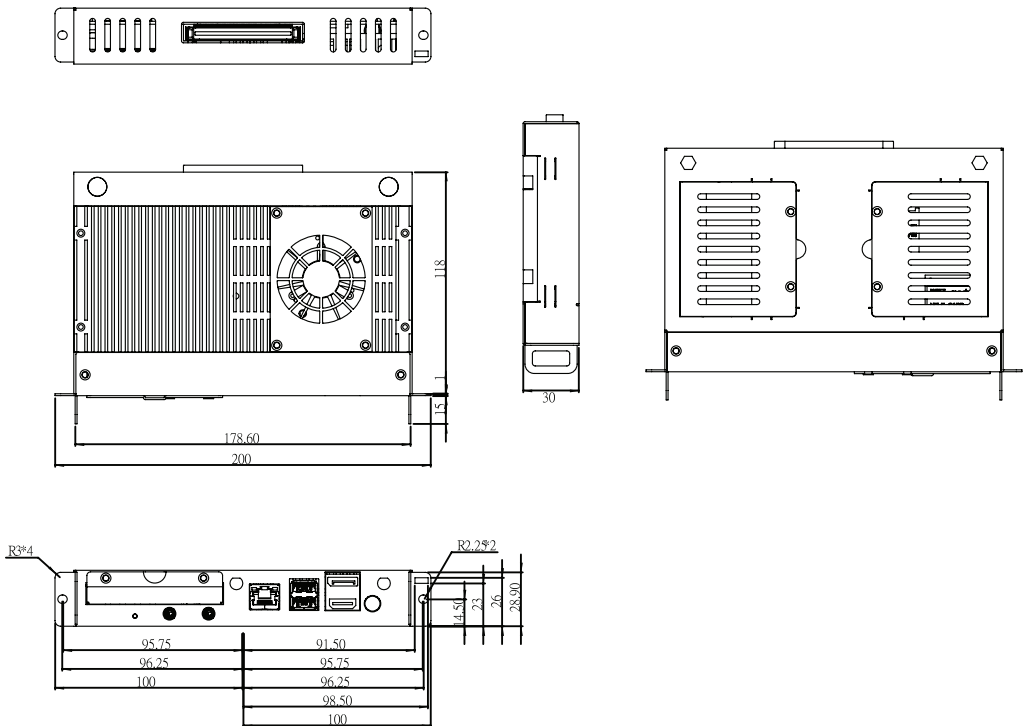
Model Name:OMID-OPS

|                                                  |                               |                                                            |
|--------------------------------------------------|-------------------------------|------------------------------------------------------------|
| System Specification                             | CPU                           | Intel® Atom™ D2550 Processor                               |
|                                                  | BIOS                          | AMI UEFI BIOS                                              |
|                                                  | System Chipset                | Mobile Intel® NM10 Chipset                                 |
|                                                  | System Memory                 | SO-DIMM DDR3-1333MT/s , up to 4GB                          |
|                                                  | Operating System              | Win 7 Ultimate Embedded/ Win 7 Professional Embedded/ WS7E |
|                                                  | Storage                       | 2.5" SATA HDD 160GB                                        |
|                                                  | Graphic Chipset               | Integrated Graphics                                        |
|                                                  | Ethernet                      | Broadcom BCM 57780 Gigabit Ethernet                        |
|                                                  | Audio                         | Realtek ALC 886 codec                                      |
| I/O Interface                                    | Front I/O                     | 1x HDMI                                                    |
|                                                  |                               | 1x RJ-45                                                   |
|                                                  |                               | 2x USB (USB 2.0 compliant)                                 |
|                                                  |                               | 2x RS232 (using Display Port Connector)                    |
|                                                  |                               | 2x Audio phone jack (Line-in/ Line-out)                    |
|                                                  | Rear I/O (OPS Interconnector) | 1x Power button                                            |
|                                                  |                               | 1x JAE 80-Pin connector (follow OPS Standard)              |
|                                                  | Internal I/O                  | 1x Mini-PCle (for wireless module)                         |
| Power Requirement                                | Power Consumption             | 16W (BurnIn Test)                                          |
|                                                  | Input Voltage                 | 12V~19V DC in (via OPS interconnection)                    |
| Watchdog Timer                                   |                               | Interrupt, system reset,setup by software                  |
| Physical Characteristics                         | Dimensions (Wx Hx D)          | 200 x 30 x 118mm (OPS compliant)                           |
|                                                  | Weight                        | 1.5kg (3.3lb)                                              |
| Environment                                      | Operating Temperature         | 0°C~55°C                                                   |
|                                                  | Operating Humidity            | 30%~ 90% (non-condensing, RH)                              |
| Certification                                    | Electromagnetic               | CE, FCC                                                    |
| Wireless Communication<br>(Optional, Either one) | Wi-Fi                         | via half mini PCIe card                                    |
|                                                  | 3G                            | On board sim slot                                          |

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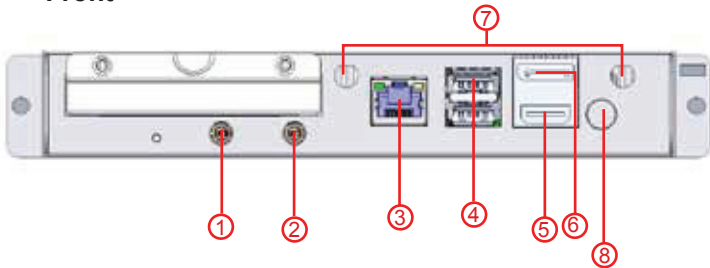
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## Dimension

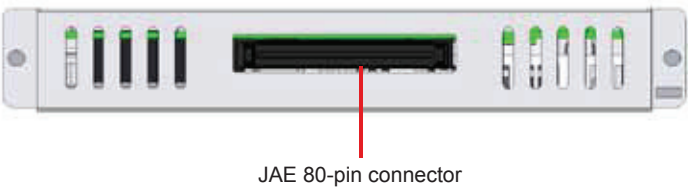


## I/O Placement

### Front



### Rear



- 1. Line Out
- 2. Line In
- 3. RJ45
- 4. 2 x USB
- 5. HDMI
- 6. 2 x RS-232 (Via DP Connector)
- 7. Antenna (Optional)
- 8. Power Switch

## Order Information

### OMID-OPS

|          |                                                               |
|----------|---------------------------------------------------------------|
| Standard | CPU : Intel® Atom™ CedarView D2550                            |
|          | RAM : 2GB                                                     |
|          | Storage : HDD 160GB                                           |
| Optional | WiFi : (802.11b/g/n) or 3G                                    |
|          | MSO-Pro (Digital Signage Software)                            |
|          | OS : Win7 Ultimate Embedded/ Win7 Professional Embedded/ WS7E |
|          | DP to RS232 Cable                                             |

| Rev. | Reasons     | Revised Date |
|------|-------------|--------------|
| 1.7  | Spec change | Oct.05.11    |
| 1.8  | Spec change | Nov.07.11    |
| 1.9  | Spec change | Apr.16.12    |