



## Features

- Support Intel® Atom™ D2550 1.86GHz CPU
- Intel® NM10 Express Chipset
- One 204-pin SODIMM Up to 4GB DDR3 1066 SDRAM
- Rich I/O, VGA, LAN, SIM Slot, Swappable HDD, Audio, 12-bit GPIO, SMBUS, DC-Out, 2 PS/2 for KB & MS, 2 Knockouts Antenna Mounting, 4 USB, 6 COM
- Expansion Slot Supporting 1 Mini PCIe Slot, 2 PCI Slots
- IET Expansion Supporting Multi-COM, Multi-LAN Modules
- Fanless Operation from -10 ~ 60°C
- Wide Range DC Power Input from 12 ~ 26Vdc
- Rugged Design for Vibration & Shock Protection
- Service Window, Easy to Install SIM Card, Storage, Memory and Mini PCIe Module

## Specifications

### System

• Board	EBM-CDVS + AUX-M01 + AUX-M05 + AUX-M06
• CPU	Onboard Intel® Atom™ D2550 1.86GHz CPU
• BIOS	AMI 16Mbit SPI BIOS
• System Chipset	Intel® NM10 Express Chipset
• I/O Chip	Nuvoton W83627DHG-P
• System Memory	One 204-pin DDR3 SODIMM Socket Up to 4GB DDR3 800/ 1066 SDRAM
• Storage	1 x 2.5" Drive Bay, 1 x mSATA
• Watchdog Timer	Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
• Expansion Interface	2 PCI Slots, 1 Mini PCIe Socket

### External I/O

• COM	6 x RS-232 (Can be Set as 422/ 485 by BIOS and +5V and 12V Support on Pin-9 (Selected by Jumper)
• LAN	1 x RJ45
• VGA	1 x VGA
• Audio Port	Mic-in, Line-in, Line-out
• GPIO	6-bit GPI and 6-bit GPO
• USB Port	4 x USB 2.0
• PS/2	2 x PS/2 for KB & MS
• SIM	1 x SIM Card Slot
• SMBUS	1 x SMBUS
• Antenna	2 Knockouts for Antenna Mounting (Options to Add WiFi & 3G)

### Display

• Chipset	Intel® Cedarview Integrated Graphics
• Resolution	CRT Mode: 1920 x 1200 @ 60Hz

### Audio

• Audio Chipset	Realtek ALC892 Supports 5.1-CH Audio
• Audio Interface	Line-in, Line-out and Mic-in

### Ethernet

• LAN Chip	1 x Intel® 82574L Gigabit Ethernet
• Ethernet Interface	10/ 100/ 1000 Base-Tx Gigabit Ethernet Compatible

### Environment & Mechanical

• Power Requirement	+12 ~ +26Vdc (Lockable DC Jack)
• ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
• Power Mode	AT/ ATX (ATX is The Default Setting)
• Operating Temperature	-10 ~ 60°C (w/ mSATA and 2.5" SSD), Ambient w/ Air Flow
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Relative Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Vibration Protection	With mSATA/ SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 1hr/axis
• Shock Protection	With mSATA/ SSD: 50G, IEC 60068-2-27, Half Sine, 11ms
• Certification	CE, FCC Class B
• Dimension (W x D x H)	220mm x 215mm x 147mm
• Weight	7.7lbs (3.5Kgs)

## Ordering Information

- **EPS-CDV-255-A1-1R (with AUX-M01 Multi-COM Module)**  
Fanless Intel® Atom™ D2550 Rugged Embedded System with Intel® NM10 Express Chipset
- **EPS-CDV-255-A1-2R (with AUX-M02 Multi-LAN bypass Module)**  
Fanless Intel® Atom™ D2550 Rugged Embedded System with Intel® NM10 Express Chipset
- **ACC-EPS-WM-1R**  
EPS-PNV Wall Mount Kit (RoHS)