



Features

- Onboard Intel® Atom™ D2550 1.86GHz CPU
- Intel® NM10 Express Chipset
- One 204-pin DDR3 SODIMM Socket Up to 4GB DDR3 800/1066 SDRAM
- Dual View, VGA and HDMI
- 5.1-CH Audio, Dual Intel® Gigabit Ethernet
- 1 CF, 1 SATA, 2 COM, 5 USB
- VESA Compliance

Embedded System

Qseven Module

COM Express /ETX/XTX

3.5" SBC

EPIC

5.25" SBC

ATX

Micro ATX

Mini ITX

Nano ITX

Rack Mount System

Mini ITX System

Peripherals

Index



Specifications

System

Board	ECM-CDV
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 CF, 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, Voltage with Auto Throttling Control

External I/O

COM Port	1 x RS-232, 1 x RS-232/422/485 (Setting by Jumper & BIOS)
LAN Port	2 x RJ-45
Antenna	2 Knockouts for Antenna Mounting (Options to Add WiFi & 3G)
VGA	1 x VGA
Audio Port	Mic-in, Line-in, Line-out
USB Port	5 x USB 2.0 (Rear 4; Front 1)
Expansions	1 x Mini-PCIe (mSATA Supported)

Display

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

Audio

AC97 Codec	Realtek ALC892 Supports 5.1-CH Audio
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

LAN Chip	2 x Intel® 82574L Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

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	0 ~ 50°C (32 ~ 122°F) (w/CF & SSD), Ambient w/Air Flow 0 ~ 40°C (32 ~ 104°F) (w/HDD), Ambient w/Air Flow
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Relative Humidity	0% ~ 90% Relative Humidity, Non-condensing
Vibration Protection	With CF/SSD: 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
Shock Protection	With CF/SSD: 10G, IEC 60068-2-27, Half Sine, 11ms
Certification	CE, FCC Class A
Dimension (W x D x H)	7" x 4.4" x 2.0" (178mm x 112mm x 50mm)
Weight	2.7lbs (1.2Kgs)
Mounting	VESA Compliance

Ordering Information

EPC-CDV-255-A1-1R
 Fanless Intel® Atom™ D2550 Tiny Box PC with Intel® NM10 Express Chipset
[ACC-EPC-VESA-2R](#)
 EPC series LCD VESA kit (RoHS)
[ACC-EPC-DINRACK-1R](#)
 EPC series Din-Rack
[ACC-EPC-WIFIUSB-1R](#)
 EPC series USB WiFi Module
[ACC-CF-xx](#)
 CompactFlash Card Series (xx = Capacity, Capacity Option: 2, 4, 8, 16, 32GB)