



Features

- Onboard Intel® Atom™ D2550 BGA Processor
- Intel® NM10 Express Chipset
- One 204-Pin SO-DIMM Socket Up to 4GB DDR3 1066MHz SDRAM
- Rich I/O, 1 x VGA, 1 x HDMI, 1 x CF, 1 x Min-In, 1 x Line-In, 1 x Line-Out, 2 x LAN, 2 x COM, 5 x USB
- Expansion Slot Supports 1 Mini PCIe Slot
- Fanless Operating from 0 ~ 50°C
- Wide Range DC Power Input from 12 ~ 26V
- Compact Size, 220mm x 147mm x 66mm



Specifications

System

Board	ECM-CDV + AUX -032
Processor	Intel® Atom™ D2550 2-Core 1.86GHz processor
System Chipset	Intel® NM10 Express Chipset
System Memory	1 x 204-Pin DDR3 1066MHz SO-DIMM up to 4 GB
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control

Expansion & Storage

Expansion	1 x Mini PCIe
Storage	1 x CompactFlash Type I/II Socket 1 x mSATA 1 x 2.5" Drive Bay

I/O

USB	5 x USB 2.0
COM Port	1 x RS-232 1 x RS-232/422/485 (Factory Optional)
Other	1 x Knockouts for Antenna Mounting

Display

Chipset	Intel® Cedarview Integrated Graphics
Resolution	VGA : 1920 x 1200 @ 60Hz HDMI : 1920 x 1080 @ 60Hz

Audio

Audio Codec	Realtek ALC892 supports 5.1-CH
Audio Interface	Mic-In, Line-In and Line-Out

Ethernet

Chipset	2 x Intel® 82574L
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45

Power Requirement

Power Connector	Lockable DC Jack
Power Requirement	+12V ~ +26V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Mode	AT/ATX (ATX is default setting)
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)

Mechanical & Environmental

Construction	Aluminum + Metal
Dimension (L x W x H)	8.7" x 5.8" x 2.8" (220mm x 147mm x 66mm)
Operating Temperature	(w/SSD, mSATA, CF), ambient w/ air flow 0°C ~ 50°C (32°F ~ 122°F) (w/HDD), ambient w/ air flow 0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
Vibration Test	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
Shock Test	With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms

Certification & Software Support

Certification	CE, FCC Class A
OS Information	Win XP, Win 7, Linux,

Ordering Information

EES-CDV-255-A1-1R

Intel® Atom™ Processor D2550 Fanless Tiny System with Intel® NM10 Chipset
ACC-EPC-VESA-2R
VESA Mount kit