



Features

- Onboard Intel® Atom™ D2550 1.86GHz CPU (Optional N2800/N2600 CPU)
- Intel® NM10 Express Chipset
- One 204-pin DDR3 SODIMM Socket, Supports Up to 4GB DDR3 800/1066 SDRAM
- HDMI, VGA, Dual-channel 18/24-bit LVDS
- 5.1-CH Audio, Dual Intel® Gigabit Ethernet
- 1 CF, 1 SATA, 2 COM, 7 USB, 16-bit GPIO
- 1 x Mini-PCIe (mSATA Supported)
- Optional Built-in Touch Screen Interface

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

CPU	Onboard Intel® Atom™ D2550 1.86GHz CPU (Optional N2800/N2600 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, Supports Up to 4GB DDR3 800/1066 SDRAM for Intel® Atom™ D2550/2800 and Max.2GB for Intel® Atom™ N2600.
SSD	One CompactFlash Type I/II Socket
Watchdog Timer	Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
Expansion	1 x Mini-PCIe (mSATA Supported)

I/O

MIO	1 x RS-232, 1 x RS-232/422/485, LPC, 1 x SATA
USB	7 x USB 2.0
DIO	8-bit GPI, 8-bit GPO

Display

Chipset	Intel® Cedarview Integrated Graphics
Resolution	CRT Mode: 1920 x 1200 @ 60Hz LCD/Simultaneous Mode: D2550: 1920 x 1080 @ 60Hz (Through eDP) N2800/N2600: 1366 x 768 @ 60Hz (Through eDP)
Multiple Display	CRT + LVDS, HDMI + LVDS, CRT + HDMI
LCD Interface	Dual-channel 18/24-bit LVDS (with eDP)

Built-in Touch Screen (Optional)

Chipset	PenMount 6000
Touch Screen Interface	With 9-pin 2.0mm Box Header (Can be Selected to Support 4/5/8-wire Touch Screen, Share with USB6)

Audio

HD Codec	Realtek ALC892 Supports 5.1-CH Audio
Audio Interface	High Definition Audio

Ethernet

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

Mechanical & Environmental

Power Requirement	+12V ~ +26V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	Single Power AT/ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-20 ~ 80°C (4 ~ 176°F)
Operating Humidity	0%~90% Relative Humidity, Non-condensing
Size (L x W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Information

ECM-CDV

Intel® Atom™ D2550 3.5" Micro Module with Intel® NM10 Express Chipset

ACC-CF-xx

CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)