



Features

- Onboard Intel® Atom™ D525 Dual-Core 1.8GHz CPU
- +12V ~ 28V Wide Voltage Input, ErP Power
- Onboard 1GB DDR3 SDRAM & Touch Controller
- Dual View, 2 x 18/24-bit LVDS
- 5.1-CH Audio, 2W Amplifier
- 2 Intel® 82574L Gigabit Ethernet (Optional 1 PS/2)
- 1 CF, 2 Mini PCIe Slots, Support Mini Card DOM
- 1 SATA, 1 LPT, 6 COM, 7 USB, 16-bit GPIO
- Over Current & Surge Protection
- Power-on Timer

Specifications

System

• CPU	Onboard Intel® Atom™ D525 Dual-Core 1.8GHz CPU
• FSB	800MHz
• BIOS	AMI 8Mbit Flash BIOS
• System Chipset	Intel® ICH8-M Chipset (2.4W)
• I/O Chip	Nuvoton W83627DHG
• System Memory	Onboard 1GB Up to 2GB DDR3 SDRAM & One 204-pin SODIMM Supports Up to 4GB DDR3
• SSD	One CompactFlash Type I/II Socket
• Watch Dog Timer	Reset: 1 ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, Voltage, and Cooling Fan Status with Auto Throttling Control
• Expansion	Two Mini PCIe Slots (One Supports Mini Card DOM)

I/O

• MIO	1 x SATA, 1 LPT (Option), 2 x RS-232/422/485, 4 x RS-232 (Option), 1 x K/B & Mouse (Option)
• USB	7 x USB 2.0
• DIO	16-bit General Purpose I/O for DI and DO 8-bit Parallel Port Data

Display

• Chipset	Intel® Pineview™ Integrated, Gen3.5 + GFX Core @ 400MHz
• Resolution	CRT Mode : Up to 2048 x 1536 @ 60Hz LCD/ Simultaneous Mode: Up to 1366 x 768 @ 75Hz
• Multiple Display	CRT + LVDS, LVDS + LVDS
• LVDS	1 x 18-bit, 2 x 18/24-bit LVDS
• Backlight Control	VR, PWM (Setting by BIOS)

Touch Screen Interface (Optional)

• Chipset	ETP-CP-S458XRU
• Touch Screen Interface	With 5-pin 2.54mm Pin Header (Can be Selected to Support 4/5-wire Touch Screen)

Audio

• AC97 Codec	Realtek ALC888 Supports 5.1-CH Audio
• Audio Interface	Mic-in, Line-in, Line-out
• Audio Amplifier	2 x 2W

Ethernet

• LAN 1	Intel® 82574L PCI-E Gigabit Ethernet
• LAN 2	Intel® 82574L PCI-E Gigabit Ethernet (Optional 1 x PS/2 Keyboard & Mouse)
• Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Consumption	+12V @ 1.80A
• Power Type	+12V ~ +28V Power Input
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size	8" x 5.75" (203mm x 146mm)
• Weight	0.55lb (0.25kg)

Ordering Information

- **EBM-PNV**
Intel® Atom™ D525 Dual-Core 5.25" Mini Module with Intel® ICH8-M Chipset and Onboard 1GB DDR3 SDRAM, Extra SODIMM, VGA, LVDS, 1 SATA, 7 USB, 2 COM, 16-bit GPIO
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)

- 1 Embedded System
- 2 Qseven Module
- 3 ETX/XTX COM Express
- 4 3.5" SBC
- 5 EPIC
- 6 5.25" SBC
- 7 ATX
- 8 Micro ATX
- 9 Mini ITX
- 10 Nano ITX
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