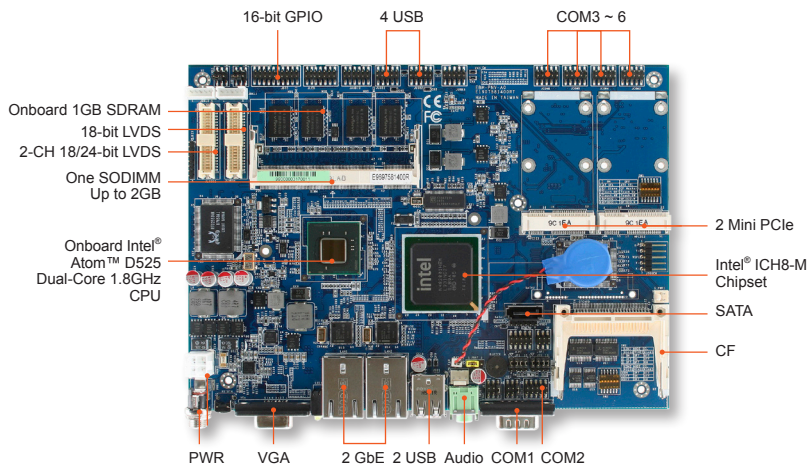




Features

- Onboard Intel® Atom™ D525 BGA Processor
- Onboard 1GB DDR3 SDRAM & Touch Controller
- Dual View, 2 x 18/24-bit LVDS
- 5.1-CH Audio, 2W Amplifier
- 2 x Intel® 82574L Gigabit Ethernet (Optional 1 PS/2)
- 1 x CF, 2 x Mini PCIe Slots, Support Mini Card DOM
- 1 x SATA, 1 x LPT, 6 x COM, 7 x USB, 16-bit GPIO
- +12V +26V Wide Voltage Input, ErP Power



CH1

Embedded Computing-SBC



Specifications

System

Processor	Intel® Atom™ D525 2-Core 1.8GHz processor
BIOS	AMI 8Mbit Flash BIOS
System Chipset	Intel® ICH8-M Chipset
I/O Chip	Winbond W83627DHG-PT
System Memory	1 x 204-Pin DDR3 1066/1333MHz SO-DIMM up to 2GB(Onboard 1GB DDR3 SDRAM)
Watch Dog Timer	Reset: 1 ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control

Expansion & Storage

Expansion	2 x Mini PCIe 1 x CompactFlash Type I/II Socket
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I/O

USB	7 x USB 2.0
SATA	1 x SATA II
COM Port	2 x RS-232/422/485 4 x RS-232 (Optional)
DIO	1 x 16bit GPIO

Display

Chipset	Intel® Pineview Integrated Graphics Supports dual display
Resolution	VGA : 2048 x 1536 @ 60Hz LVDS : Up to 1366 x 768 @ 75Hz CRT + LVDS, LVDS + LVDS 1 x 18-bit, 2 x 18/24-bit LVDS

Touch Screen Interface

Chipset	EETI ETP-CP-MER4485XRU Supports 4/5-wire
Touch Screen Interface	With 5-pin 2.0mm Box Header (Can be Selected to Support 4/5-wire Touch Screen)

Audio

AC97 Codec	Realtek ALC888 Supports 5.1-CH
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

Chipset	1 x Intel® 82574L
LAN 2	Optional 1 x PS/2 Keyboard & Mouse
LAN Port	2 x RJ-45
Ethernet Interface	10/100/1000 Base-Tx GbE compatible

Mechanical & Environmental

Power Requirement	+12V ~ +26V
Power Type	AT/ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size	8" x 5.75" (203mm x 146mm)
Weight	0.55lb (0.25kg)

Certification & Software Support

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

Ordering Information

EBM-PNV-18-B2R

5.25" W/D525/18bit/2LAN/2COM/1SATA B2

EBM-PNV-18-B2TR

5.25" W/D525/18bit/2LAN/2COM/1SATA/TC B2

EBM-PNV-24-B2TR

5.25"W/D525/DDR3/24bit/2LAN/6COM/TC/B2