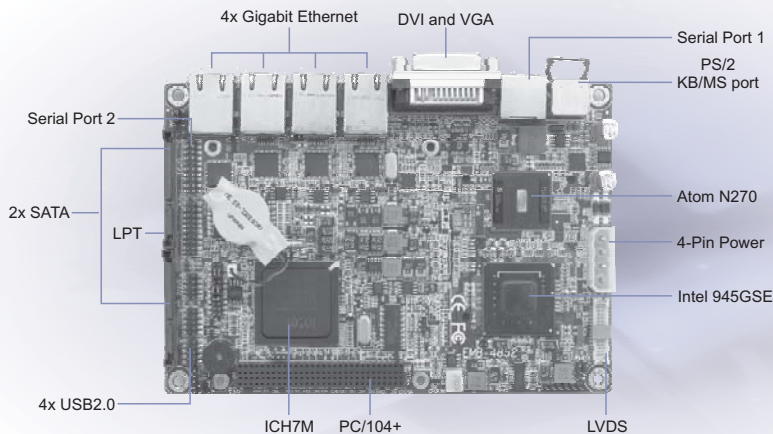


EMB-4852 Low Power EPIC Motherboard



Features :

- Intel®945GSE+ICH7M based, onboard Intel® Atom N270 Processor with 533MHz FSB
- 1x 200-Pin dual channel SO-DIMM, support DDRII 400/533MHz, capacity up to 2GB
- 18-bit dual channel LVDS/DVI/VGA Display output
- VGA+DVI/LVDS support dual independent display
- 4x Gigabit Ethernet
- 2x SATA II /4x USB2.0/1x LPT/2x COM/1x PC104+



Fanless



DID



LVDS



USB 2.0



One Key restore



BIOS Security

Specifications

System	
Product Type	EPIC
Processor	Onboard Intel®Atom Processor 1.6GHz with 533MHz FSB
System Memory	1x 200-pin SO-DIMM, DDRII 400/533 MHz up to 2GB
Chipset	Intel®945GSE+ICH7M
I/O Chipset	Winbond W83627HF
Ethernet	Realtek 8111C, 10/100/1000Mbps, 4x RJ-45
BIOS	4M-bit SPI Flash BIOS
Wake On LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports Power Supply Voltages, Fan Speed and Temperature Monitoring
Expansion Interface	1x PC/104+
Battery	Lithium battery
Power Requirement	+12V
Board Size	6.50"×4.53"(165mm×115mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0%~95% relative humidity, on-condensing
Display	
Chipset	Intel®945GSE integrated
Memory	Dynamic share 224MB system memory for graphic memory
Resolutions	Up to 2048x1536x32 bpp@85 Hz for CRT Up to 1600x1200x32bpp@60 Hz for LVDS
VGA	1x DB15
LCD Interface	1x 18-bit Dual channel LVDS (optional)
DVI	1x DVI-D (optional)
TV-OUT	N/A
Dual-Display	VGA+DVI/LVDS support dual independent display
I/O	
Storage	2xSATA II, 1x Type II Compact Flash
Serial Port	1x RS-232, 1x RS-232/422/485, ESD protection
Parallel Port	SPP/EPP/ECP mode
USB	4x USB2.0
Keyboard and Mouse	1x Keyboard and Mouse connector
Digital I/O	N/A
IrDA	1x IrDA Tx/Rx Header
Audio	N/A

Packing List

- **0040021019** Jumper
- **0600400019** Keyboard/Mouse Cable
- **0260400019** Serial port cable
- **0470120009** SATA Cable
- **0260280019** Parallel Port Cable
- **0360250019** USB Cable with shielding
- **Utility CD**
- **User's Manual**
- **Warranty card**
- **EMB-4852**

Ordering Information

- **EMB-4852-V10**
4" board, On Board CPU, Intel ATOM N270, AT/ATX, DDR II 400/533MHz, VGA+LVDS, 4x Giga Lan, 4x USB, 2x COM, 2x SATA II, 1x LPT, 1x PC/104+ Slot Version 1.0