

EmETX-i701

Intel Low Voltage Pentium M Dothan ETX CPU Module with VGA/LCD, Audio & LAN

Computer
on Module



Features

- Intel Low Voltage Pentium M Dothan 1.4GHz CPU FSB400MHz onboard (10W)
- Intel Ultra Low Voltage Celeron M 600MHz CPU FSB400MHz onboard (7W)
- Intel Ultra Low Voltage Celeron M 1GHz CPU FSB400MHz onboard (5W)
- Support DDR 200/266 up to 1GB DDR SDRAM
- Support 18 bit dual Channel LVDS TFT panel
- Support motion compensation for MPEG2
- Intel 82562EZ, 10/100 base-T Ethernet
- Support dual display (independent)



System

CPU	Intel Low Voltage Pentium M 1.1GHz CPU FSB400MHz Intel Low Voltage Pentium M Dothan 1.4GHz CPU FSB400MHz Intel Ultra Low Voltage Celeron M 600MHz CPU FSB400MHz Intel Ultra Low Voltage Celeron M 1GHz CPU FSB400MHz
Cache	2nd level 2MByte max.
Memory	1 x 200Pin SO-DIMM up to 1GB DDR SDRAM
Chipset	Intel 852GM + Intel ICH4
BIOS	Phoenix - AWARD PnP Flash BIOS
ATA / IDE	2 x Ultra DMA 100, support 4 IDE drives
Watchdog Timer	255-level Reset

I/O

Serial Port	2 x TTL (16550 compatible), IrDA support
Parallel Port	SPP/EPP/ECP mode shared with Floppy
Floppy	Floppy shared with parallel port can be implemented on the carrier board (2nd I/O) can be used as external USB Floppy
IrDA	1 x SIR IrDA 1.1 compliant
USB Port	4 x USB 2.0 compliant
KB/MS	1 x PS2 K/B and Mouse

Ethernet

Chipset	Intel 82562EZ 10/100base-T Built-in Boot ROM in Flash BIOS, support Boot from LAN
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Audio

Codec / Interface	Realtek ALC202A AC97 Codec, support Mic-in / Line-in / Line-out
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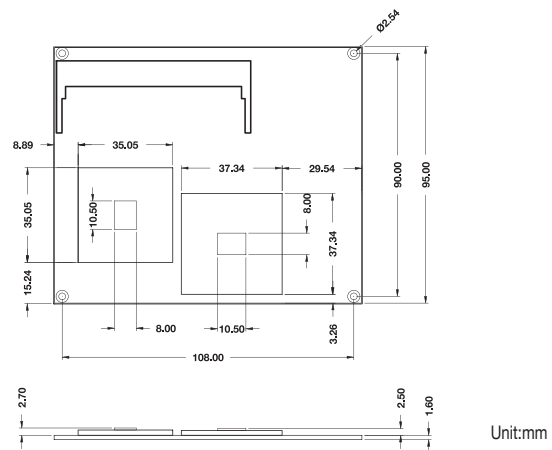
Display

Graphics Chipset	Intel 852GM Extreme Graphics2 Engine, up to 64MByte UMA Video RAM
Graphics Interface	CRT support QXGA up to 2048 x 1536 LCD support 18/36 bit LVDS UXGA up to 1600 x 1200 Dual mode support independent dual display

Mechanical & Environmental

Power Consumption	EmETX-i701/PM1100 5V / 3.43A (Max.) EmETX-i701/CM600 5V / 3.2A (Max.)
Operating Temp.	0 ~ 60°C (32~140°F)
Operating Humidity	5% ~ 95% (non condensing)
Dimension (L x W)	114 x 95mm (4.5" x 3.7")

Dimensions



Ordering Information

EmETX-i701 / PM1100	Intel Pentium M 1.1GHz ETX module (optional)
EmETX-i701 / PM1400	Intel Pentium M Dothan 1.4GHz ETX module 2MB L2 cache
EmETX-i701 / CM600	Intel ULV Celeron M 600MHz ETX module
EmETX-i701 / CM1000	Intel ULV Celeron M 1GHz ETX module
PBE-1000	ATX form factor evaluation board Page 1-9
Heat sink	HS-0701-W1/ HS-0701-W2 Page 5-4 /5-5 HS-0701-C1 Page 5-5
Memory Module	DDR SDRAM 128MB SO-DIMM 200Pin DDR SDRAM 256MB SO-DIMM 200Pin DDR SDRAM 512MB SO-DIMM 200Pin DDR SDRAM 1GB SO-DIMM 200Pin