

Em104P-i7013

Intel Celeron M or Pentium M CPU Board with VGA/LCD, LAN x 2, CF, PC/104 & PC/104-Plus

Computer
on Module



Features



- Intel Ultra Low Voltage Celeron M 600MHz (7W) CPU onboard FSB400MHz
- Intel Ultra Low Voltage Celeron M 1GHz (5W) CPU onboard FSB400MHz
- Intel Low Voltage Pentium M Dothan 1.4GHz (10W) CPU onboard FSB400MHz
- Support DDR 200/266 up to 1GB DDR SDRAM
- Support Dual Display (Independent Display)
- Support 18/36 bit LVDS, TFT LCD
- Support 4 high speed USB2.0 ports
- Support Compact Flash Type I/II
- Support Dual 10/100base-T Ethernet

System

CPU	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	1 x Ultra DMA 33, support 2 IDE drives
Flash Disk	1 x Type II Compact Flash Disk Socket
Watchdog Timer	255-level Reset

I/O

Serial Port	3 x RS-232 ports (COM1/3/4) 1 x RS-232/485 port (COM2)
Parallel Port	SPP/EPP/ECP mode share with Floppy
Floppy	Floppy shared with Parallel port Can be implemented on carrier board (2nd I/O) Can be used as an 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
Expansion Bus	1 x 32 bit / 33MHz PCI/104 Plus interface 1 x 16 bit ISA-based PC/104 interface
Digital I/O	8bit Digital Input/Output

Ethernet

Chipset	1 x Realtek 8100BL 10/100 base-T 1 x Intel 82562EZ 10/100 base-T Built-in Boot ROM in Flash BIOS, support Boot from LAN
----------------	---

Audio

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

Display

Graphics Chipset	Intel 852GM Extreme Graphics2 Engine up to 64MByte UMA Video RAM
Graphics Interface	CRT support CRT 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	Em104P-i7013/CM600 5V/3.31A (Max.)
Operating Tem.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	114 x 95mm (4.5" x 3.7")

Ordering Information

Em104P-i7013/PM1400	PC/104 Plus Intel Low Voltage Pentium M Dothan 1.4GHz CPU Board with CRT/LVDS/2 x LAN
Em104P-i7013/CM600	PC/104 Plus Intel Ultra Low Voltage Celeron M 600MHz CPU board with CRT/LVDS/2 x LAN
Em104P-i7013/CM1000	PC/104 Plus Intel Ultra Low Voltage Celeron M 1GHz CPU FSB400MHz with CRT/LVDS/2 x LAN
Cable Kit	CBK-10-1100-00 Page 5-1
Heat sink	HS-0701-W2 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