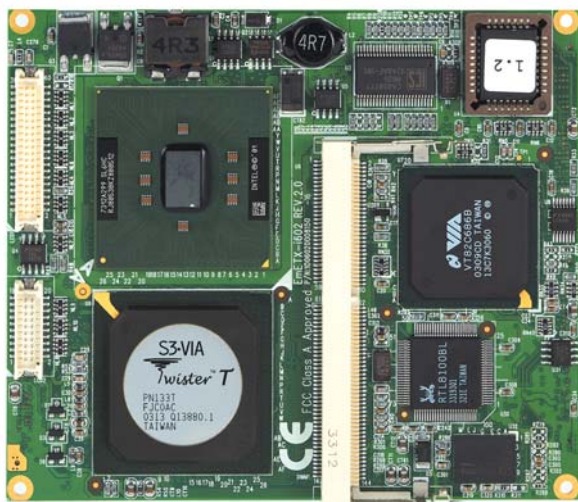


# EmETX-i602

Intel Low Voltage Pentium III Tualatin ETX CPU Module with LCD / CRT / TV-out, Audio & LAN



## Features

- \* Intel Ultra Low Voltage Celeron 400Mhz up to Low Voltage Pentium III 933Mhz FSB 100/133Mhz
- \* Intel Ultra Low Voltage Celeron 400Mhz CPU FSB100Mhz, (Fanless solution)
- \* Intel Ultra Low Voltage Celeron 650Mhz CPU FSB100Mhz
- \* SDRAM up to 512MB (SO-DIMM)
- \* UMA Savage 4 (VT8606T) AGP video controller with TTL, LVDS, CRT and TV-out support
- \* Realtek 8100BL 10/100base-T Ethernet
- \* Support unique board ID# (2K EEPROM) for software based security and IP protection



## System

CPU	Intel Ultra Low Voltage Celeron 400Mhz up to Low Voltage Pentium III 933Mhz CPU FSB100/133Mhz
Cache	2nd level 512KByte
Memory	1 x 144Pin SO-DIMM up to 512MB SDRAM
Chipset	VIA Twister-T VT8606T + VIA VT82686B
ATA / IDE	2 x Ultra DMA 100, support 4 IDE drives
BIOS	Phoenix - AWARD PnP Flash BIOS
Watchdog Timer	127-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 1.1 compliant
KB/MS	1 x PS2 K/B and Mouse

## Ethernet

Chipset	Realtek 8100BL 10/100base-T
Interface	Built-in Boot ROM in Flash BIOS, support Boot from LAN

## Audio

Codec / Interface	VIA VT1612A AC97 Codec, support Mic-in / Line-in / Line-out
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## Display

Graphics Chipset	VIA Twister-T S3 Savage4 Engine, up to 32MByte UMA Video RAM
Graphics Interface	CRT support QXGA up to 1920 x 1440 LCD support 18/36 bit LVDS up to 1280 x 1024 LCD support 18/24/36 bit TTL up to 1280 x 1024 TV-out support NTSC / PAL, up to 1024 x 768

## Mechanical & Environmental

Power Consumption	EmETX-i602/P800 5V / 4.45A (Max.)
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 90% @55°C
Dimension (L x W)	114 x 95mm (4.5" x 3.7")
Weight	0.87 kg (0.19 lb)

## Ordering Information

EmETX-i602/P800	Intel PIII Low Voltage Tualatin 800Mhz ETX module	
EmETX-i602/C650 (optional)	Intel Ultra Low Voltage Celeron 650Mhz ETX module	
EmETX-i602/C400 (optional)	Intel Ultra Low Voltage Celeron 400Mhz ETX module	
EmETX-i602/P933 (optional)	Intel PIII Low Voltage Tualatin 933Mhz ETX module	
PBE-1000	ATX form factor evaluation board	Page 1-8
Heat sink	HS-0602-W1	Page 5-4
	HS-0602-C1 (optional)	Page 5-4
	HS-0602-F1 (optional)	Page 5-5
Memory Module	SDRAM 64MB SO-DIMM 144Pin	
	SDRAM 128MB SO-DIMM 144Pin	
	SDRAM 256MB SO-DIMM 144Pin	
	SDRAM 512MB SO-DIMM 144Pin	