

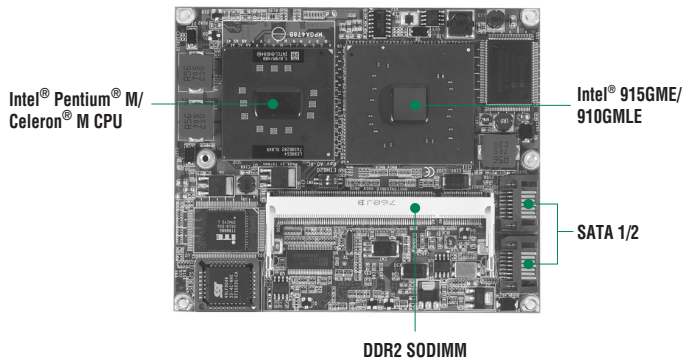
ETM820

Intel® Pentium® M ETX V3.0 SoM with Multiple I/O Features

1

Embedded Computing Platforms

New



System

CPU	Intel® Pentium® M/Celeron® M with FSB 400/533 MHz processor
System Memory	1 x 200-pin SODIMM supports DDR2 PC2-3200/4200 max. up to 1GB
Chipset	Intel® 915GME/910GML+ICH6M
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup
Watchdog Timer	255 levels as Reset from 0~255 seconds
Expansion Interface	PCI and ISA through ETX interfaces
Size	114 x 95 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PATA-100 IDE, 2 x SATA-150, 1 x FDD/LPT, 1 x PS/2 K/B, 1 x PS/2 MS, 2 x UARTs, 1 x IrDA
Ethernet	Realtek RTL8139DL for Fast Ethernet controller
Audio	AC97 Line-in/out/Mic-in through ETX interface Optional 5.1 channel output through JST 6-pin connector
USB	4 x USB 2.0 port

Display

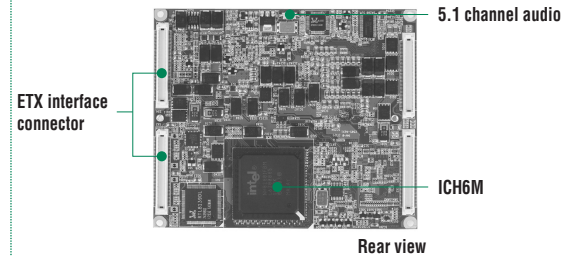
Chipset	Integrated in Intel® 915GME/910GML
Memory Size	Max. up to 128MB frame buffer sharing system memory
Resolution	* Standard Display Mode: CRT: 2048 x 1536; LVDS LCD: 1600 x 1200
Output Interface	* CRT for DAC output through ETX connector * LVDS LCD through ETX connector

Features

ETX® 3.0
Long Term Support



- ▶ Intel® Pentium® M/Celeron® M processor
- ▶ Intel® 915GME/910GML+ICH6M chipset
- ▶ DDR2 400/533 up to 1GB
- ▶ 2 x SATA-150, 1 x PATA-100 supported
- ▶ DualView with different content & resolution
- ▶ 4 x PCI Bus master, ISA Bus supported
- ▶ 5.1 channel audio (optional)



Packing List

Quick installation guide
Manual, driver, utility CD, SATA cable (refer to cable list in chapter 9)

Ordering Information

Standard	
ETM820VEA-1GE	ETX 3.0 module with ULV Intel® Celeron® M 1GHz/ZC CPU onboard, CRT/LVDS LCD, Fast Ethernet, AC'97 audio and 2 UARTs ports
ETM820VEA-600	ETM820 with ULV Intel® Celeron® M 600MHz/512K L2 Cache CPU onboard, CRT/LVDS LCD, Fast Ethernet, AC'97 audio and 2 UARTs ports
ETM820VEA	ETM820 with socket 478, CRT/LVDS LCD, Fast Ethernet, AC'97 audio and 2 UARTs ports
Optional	
507ETM82000E	ETM820 heatspreader module for BGA type CPU (114 x 51 x 8mm)
507ETM82010E	ETM820 heatspreader module for PGA type CPU (114 x 51 x 8mm)
ETB9F000	ATX form factor baseboard

ECP Services and Solutions

System-on-a-Module Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards

Half-size CPU Cards, Backplanes

PCI/04 Modules

Mini PCI Modules

Accessories

Remote Field Controllers

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix