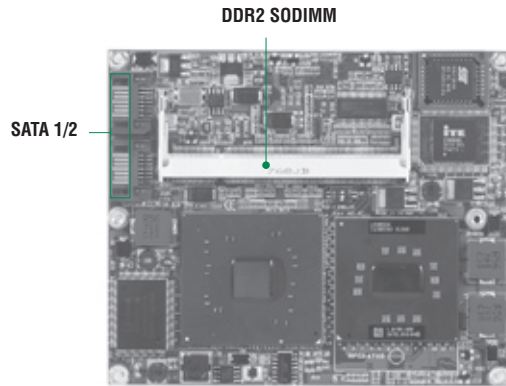


ETM820

Intel® Pentium® M ETX V3.0 SoM with Intel® 915GME/910GMLE+ICH6M Chipset and Multiple I/O Features

Single Board Computers

1



- 1 FE.
- LVDS/CRT
- 4 USB 2.0
- AC'97 Audio
- 4 PCI
- Audio

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/910GMLE+ICH6M
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	PCI and ISA through ETX interfaces
Battery	N/A
Size	114 x 95 mm
Temperature	0°C~60°C (32°F~140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x IDE; PATA-100 1 x FDD/LPT (default to be LPT) 1 x PS/2 keyboard 1 x PS/2 mouse 2 x UARTs 1 x IrDA
SATA	2 x SATA-150
Hardware Monitoring	Support CPU/system temperature, CPU/system voltage, and CPU/system Fan features
Ethernet	1 port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/ Speaker-out with Realtek ALC655
USB	4 x USB 2.0

Display

Chipset	Integrated in Intel® 915GME/910GMLE
Memory Size	Dedicated frame buffer up to 8MB and DVMT up to 128MB
Resolution	* VGA: up to 2048 x 1536@75Hz with 32-bit color * LVDS LCD: 18-bit single/dual channel up to 1600 x 1200
Output Interface	* VGA trough ETX connector * LVDS LCD through ETX connector

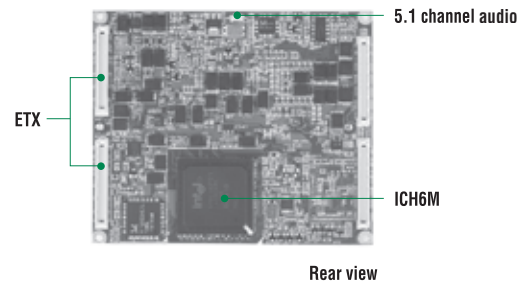
* W.T.: Wide Temperature

Features

ETX 3.0
LONG TERM SUPPORT



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



Packing List

Quick installation guide, user's manual/utility CD, cable

Ordering Information

Standard	
ETM820VEA-1GE (P/N: E38G820102)	ETX 3.0 module with ULV Intel® Celeron® M 1 GHz/ZC CPU onboard, CRT/LVDS LCD, 10/100Mbps, AC'97 audio and 2 UARTs ports
ETM820VEA-600 (P/N: E38G820101)	ETX 3.0 module with ULV Intel® Celeron® M 600 MHz/512K L2 Cache CPU onboard, CRT/LVDS LCD, 10/100Mbps, AC'97 audio and 2 UARTs ports
ETM820VEA (P/N: E38G820100)	ETX 3.0 module with socket 478, CRT/LVDS LCD, 10/100Mbps, 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

SBC Services and Solutions

System-on-a-Module Solutions

Embedded SBCs > 5.25" Petit

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix