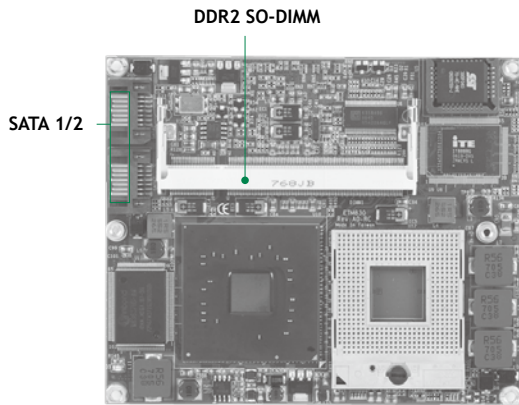


ETM830

Intel® Core™2 Duo ETX V3.0 SoM with Intel® 945GME + ICH7M Chipset and Multiple I/O Features

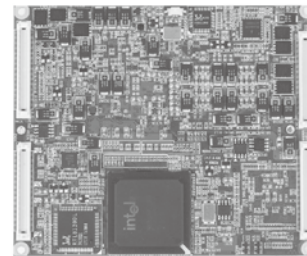


- Intel® 945GME
- 1 F.E.
- LVDS/VGA
- 4 USB 2.0
- 4 PCI
- ISA
- Audio

Features



- Intel® Core™ 2 Duo/Core™ Duo/Core™ Solo/Celeron® M processor with FSB 533/667 MHz
- Intel® 945GME + ICH7M chipset
- DDR2-400/533/667 up to 2GB
- 2 Serial ATA-150, 1 PATA-100 supported
- DualView with different content & resolution
- 24-bit single/dual channel LVDS LCD supported
- 4 PCI Bus master, ISA Bus supported
- 5.1 channel audio (optional)



▲ Rear view

System

CPU	Socket M for Intel® Core™2 Duo/ Core™ Duo/Core™ Solo/ Celeron® M processors with FSB 533/667 MHz; Intel® Core™2 Duo processor L7400 and Celeron® M processor ULV 423 onboard
System Memory	1 x 200-pin SO-DIMM supports DDR2-533/667 max up to 2GB
Chipset	Intel® 945GME + ICH7M-DH
BIOS	Phoenix-Award
SSD	N/A
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	4 x 32-bit PCI bus masters 16-bit ISA bus
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); with SPP/EPP/ECP supported 1 x PS/2 keyboard 1 x PS/2 mouse 2 x UARTs 1 x IrDA
SATA	2 x SATA-150
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
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

* W.T.: Wide Temperature

Display

Chipset	Intel® GMA 950 graphics Core
Memory Size	Intel® DVM T 3.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

Packing List

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

Ordering Information

Standard	
ETM830VEA (P/N: E38G830100)	ETX 3.0 SoM with Socket M, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and 2 UARTs ports
Optional	
ETM830VEA-1G (P/N: E38G830101)	ETX 3.0 SoM with ULV Intel® Celeron® M (423) 1.06 GHz/1MB L2 cache CPU onboard, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and 2 UARTs ports
ETB9F000	ATX form factor baseboard
507ETM83000E	ETM830 heatspreader module for BGA type CPU (114 x 51 x 8 mm)
507ETM83010E	ETM830 heatspreader module for PGA type CPU (114 x 51 x 8 mm)
507ETM82200E	ETM cooling kit with fan
5078G830100E	ETM low profile cooling kit with fan
5078G830200E	ETM low profile cooling kit without fan

SBC Services and Solutions

System on Modules

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix