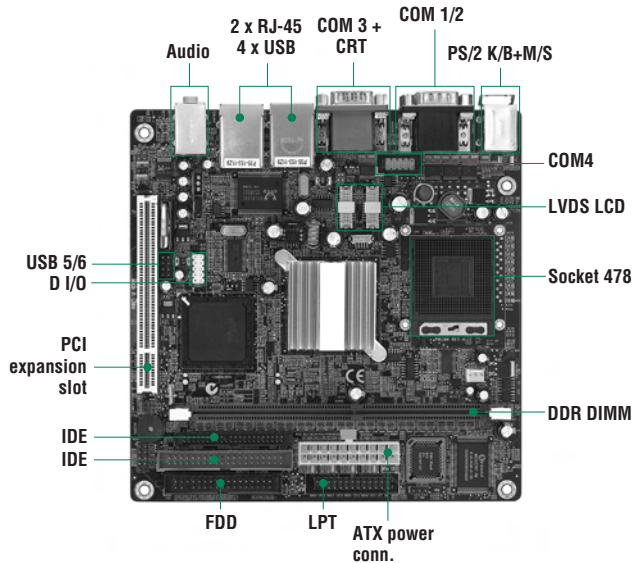


SBC86807

Socket 478 Intel® Pentium® M Mini ITX SBC with DualView,
4 COM and Dual LAN

2

Embedded Computing Platforms



System

CPU	Socket 478 for Intel® Pentium® M or Celeron® M processor with FSB 400 MHz (Optional for ULV/LV BGA type processor)
System Memory	1 x 184-pin DDR DIMM max. up to 1GB
Chipset	Intel® 852GM+ICH4
BIOS	Phoenix-Award 4Mbit with RPL/ PXE LAN Boot ROM, SmartView and customer CMOS backup
SSD	CompactFlash™ Type-II socket (optional)
Expansion Interface	PCI expansion slot for 2 PCI master through riser card
Watchdog Timer	Reset supported; 255 levels
Battery	Lithium 3V/196 mAh
Size	170 x 170 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	2 x PATA-100 IDE, 1 x FDD, 1 x PS/2 K/B, 1 x PS/2 MS, 4 x COM (4 x RS-232), 1 x LPT, 1 x IrDA
Ethernet	LAN 2 as Realtek RTL8100C Fast Ethernet; LAN 1 as Realtek RTL8110S Gigabit Ethernet
Audio	AC'97 codec audio
USB	6 USB 2.0 ports (2 via box-headers)
Digital I/O	4 channel IN and 4 channel OUT

Display

Chipset	Integrated in Intel® 852GM GMCH
Memory Size	Max. up to 64MB frame buffer sharing system memory
Resolution	* Standard mode: CRT: 1920 x 1440@60Hz; LVDS LCD: 1400 x 1050@60Hz
Output Interface	* CRT connector for DAC output * LVDS LCD with 18/36/24/48-bit channel mode

Features



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/104 Modules

Mini PCI Modules

Accessories

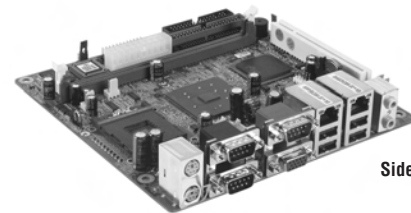
Remote Field Controllers

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix

- ▶ Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400MHz
- ▶ Intel® 852GM+ICH4 chipset
- ▶ DualView with different content & resolution
- ▶ 4 COM ports for transaction terminal applications
- ▶ Dual Fast Ethernet supported
- ▶ PCI expansion through riser card



Side view

Packing List

Quick installation guide

Manual, driver, Utility CD and cable kit (IDE, FDD, LPT, COM port, USB cable)

Ordering Information

Standard	
SBC86807VGEA	Socket 478 Intel® Pentium® M Mini ITX SBC with CRT/LVDS LCD, Gigabit & Fast Ethernet, AC'97 audio and 4 COM ports
SBC86807VGEA-1GE	Socket 478 Intel® Celeron® M (1GHz/ZC) Mini ITX SBC with CRT/LVDS LCD, Gigabit & Fast Ethernet, AC'97 audio and 4 COM ports
SBC86807VGEA-600	Socket 478 Intel® Celeron® M (600MHz/512KB) Mini ITX SBC with CRT/LVDS, Gigabit & Fast Ethernet, AC'97 audio and 4 COM ports