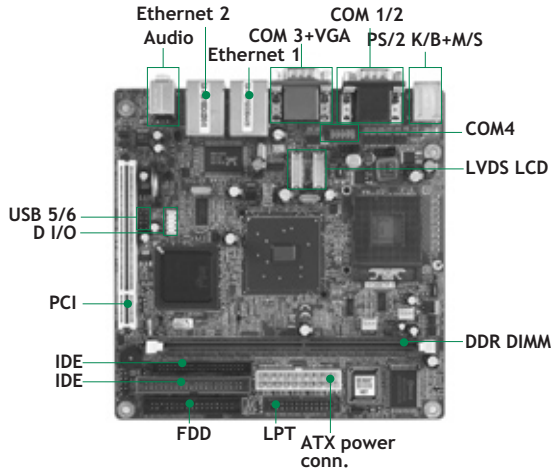


SBC86807

Socket 478 Intel® Pentium® M Mini ITX SBC with Intel® 852GM+ICH4 Chipset, DualView, 4 COM and Dual LANs

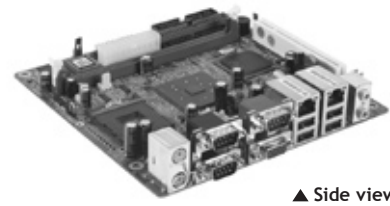


Socket 478
1 G.E.
LVDS/VGA
6 USB 2.0
AC'97 Audio
1 PCI

Features



- 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 10/100Mbps Ethernet supported
- 1 PCI slot through riser card



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-333/400 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	1 x CompactFlash™ type-II (optional)
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI slot for 2 PCI master through riser card
Battery	Lithium 3V/196 mAH
Size	170 x 170 mm
Temperature	0° C ~ +60° C (32° F ~ 140° F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

Display

Chipset	Integrated in Intel® 852GM GMCH
Memory Size	Max. up to 64MB DVMT mode frame buffer sharing system memory
Resolution	VGA: up to 1920 x 1440 @ 60 Hz LVDS LCD: 18/24-bit single/dual channel up to 1400 x 1050
Output Interface	* VGA with D-sub 15-pin connector * LVDS LCD with 18/36/24/48-bit channel mode

I/O

MIO	2 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard 1 x PS/2 mouse 4 x RS-232 (COM 1/2/3/4); with +5V/+12V powered 1 x LPT; with SPP/EPP/ECP supported 1 x IrDA
SATA	N/A
Hardware Monitoring	Support CPU/system temperature, CPU/system voltage, and CPU/system Fan features
Ethernet	* 1st port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8110S * 2nd port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8100C
Audio	AC'97 Codec audio as MIC-in/Line-out/Speaker-out with ALC655
USB	6 x USB 2.0; 2 ports via box-headers
Digital I/O	3 channel IN and 3 channel OUT

Packing List

Standard			
Quick installation guide, user's manual/utility CD, cable			
Cable			
Description	SBC86807VGEA Qty	SBC86807VGEA-1GE Qty	SBC86807VGEA-600 Qty
IDE cable x 1 L=460mm	1	1	1
FDD cable x 1 L=570mm	1	1	1
LPT cable x 1 L=400mm	1	1	1
COM port cable x 1 L=300mm	1	1	1
USB cable x 1 L=500mm	1	1	1

Ordering Information

Standard	
SBC86807VGEA (P/N: E386807108)	Socket 478 Mini ITX SBC with Intel® Pentium® M CPU, VGA/LVDS LCD, 10/100Mbps & 10/100/1000Mbps, AC'97 audio and 4 COM ports
SBC86807VGEA-1GE (P/N: E386807120)	Socket 478 Mini ITX SBC with Intel® Celeron® M (1GHz/ZC) CPU, VGA/LVDS LCD, 10/100Mbps & 10/100/1000Mbps, AC'97 audio and 4 COM ports
SBC86807VGEA-600 (P/N: E386807118)	Socket 478 Mini ITX SBC with Intel® Celeron® M (600 MHz/512KB) CPU, VGA/LVDS, 10/100Mbps & 10/100/1000Mbps, AC'97 audio and 4 COM ports

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 > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix

* All specifications and photos are subject to change without notice.