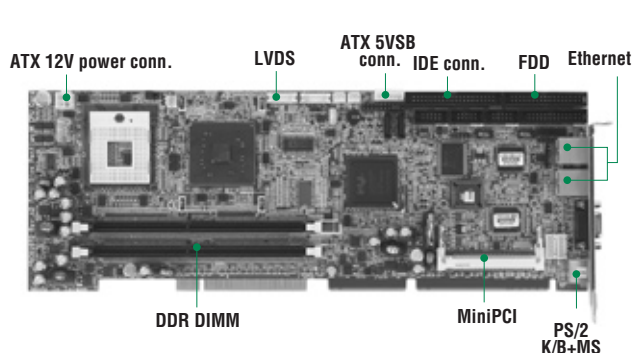


# SBC81872

Socket 478 Intel® Pentium® M PICMG 1.0 Full-size CPU Card with Intel® 915GME+ICH6M Chipset, VGA and Dual LANs

# 4

Single Board Computers



## Features

- ▶ Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400/533 MHz
- ▶ Intel® 915GME+ICH6M chipset
- ▶ 2 DDR DIMM support up to 2 GB memory
- ▶ Dual 10/100/1000Mbps Ethernet
- ▶ 16-bit ISA bus

## Display

Chipset	Intel® 915GME GMCH integrated graphic engine
Memory Size	Dedicated frame buffer up to 8MB and DVMT up to 128MB
Resolution	* VGA up to 2048 x 1536 @ 75 Hz with 32-bit color * LVDS (18-bit single/dual channel) up to 1600 x 1200
Output Interface	* VGA with D-sub 15-pin connector * LVDS with 2 x 20-pin connector

## Packing List

Standard				
Quick installation guide, user's manual/utility CD, cable				
Cable				
Part Number	Description	SBC81872VGG Qty	SBC81872VG Qty	SBC81872VE Qty
59380502000E	COM + Print cable w/ bracket	1	1	1
59381400000E	FDD flat cable	1	1	1
59381560000E	Mini DIN Y-cable for PS/2 K/B+M/S	1	1	1
59382601000E	Ultra DMA66 IDE cable: 40-pin 455mm	1	1	1
593826A0000E	SATA signal cable 500mm	2	2	2
593836A0030E	SATA power cable 150mm	1	1	1

## Ordering Information

Standard	
SBC81872VGG	Socket 478 PICMG 1.0 full-size CPU card (P/N: E381872100) with VGA, LVDS, 2 10/100/1000Mbps and 4 USB
SBC81872VG	Socket 478 PICMG 1.0 full-size CPU card (P/N: E381872103) with VGA, LVDS, 10/100/1000Mbps and 4 USB
SBC81872VE	Socket 478 PICMG 1.0 full-size CPU card (P/N: E381872101) with VGA, LVDS, 10/100Mbps and 4 USB
Optional	
593836A0030E	SATA power cable 4-pin L=150mm
593826A0000E	SATA signal cable L=500mm
5938A808010E	2 x USB port cable L=190mm

## System

CPU	Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400/533 MHz
System Memory	2 x 184-in DDR-266/333/400 DIMM max. up to 2 GB
Chipset	Intel® 915GME+ICH6M
BIOS	Phoenix-Award BIOS
SSD	1 x CompactFlash™ type-II socket (optional)
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	* PCI with 4 bus masters * ISA with 16-bit bus
Battery	Lithium 3V/196mAH
Size	338 x 122mm
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 1 x PS/2 keyboard 1 x PS/2 mouse 1 x LPT; with SPP/EPP/ECP supported 2 x RS-232 (COM 1/2)
SATA	2 x SATA-150
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 with Realtek RTL8110SC (optional 10/100Mbps with Realtek RTL8100C) * 2nd port as 10/100/1000Mbps supports Wake-on-LAN with Broadcom BCM5721
Audio	AC'97/HD audio interface for external kit
USB	4 x USB 2.0
SMBus	AC'97/HD audio interface for external kit

\* W.T.: Wide Temperature

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