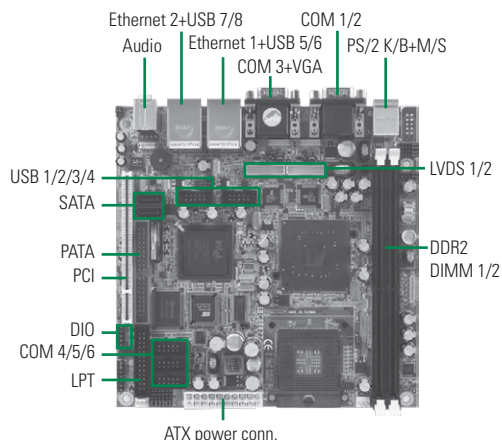


# SBC86822

Socket 478 Intel® Pentium® M Mini ITX SBC with Intel® 910GML E + ICH6M Chipset, DualView, SATA and 6 COM Ports

Toll Free Number: 1-800-872-4547



## System

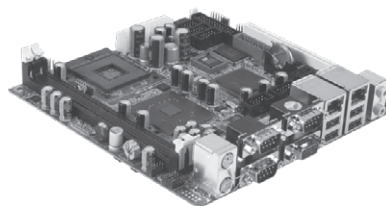
CPU	Socket 478 for Intel® Pentium® M/ Celeron® M processors with FSB 400 MHz; ULV Intel® Celeron® M processor 600MHz/512KB or 1GHz/ZC onboard
System Memory	2 x 240-pin DIMM supports DDR2-400/533 max. up to 2 GB
Chipset	Intel® 910GML E + ICH6M
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II with DMA mode support (optional)
Watchdog Timer	255 levels, 1~255 sec.
Expansion interface	1 x PCI for 32-bit PCI supports 2 bus masters
Battery	Lithium 3V/220 mAH
Power Requirements	*Intel® Celeron® 1.0 GHz/ZC, 1GB DDR2 Max. RMS: +5V <sub>SBY</sub> @ 0.022A, +3.3V @ 0.68A, +5V @ 0.98A, +12V @ 0.579A, -12V @ 0.064A *Intel® Pentium® M 2.0 GHz, 1GB DDR2 Max. RMS: +5V <sub>SBY</sub> @ 0.022A, +3.3V @ 0.87A, +5V @ 3.876A, +12V @ 0.759A, -12V @ 0.079A
Size	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x IDE; PATA-100 1 x PS/2 keyboard; 1 x PS/2 mouse 6 x RS-232; with +5V/+12V powered 1 x LPT; with SPP/EPP/ECP supported
SATA	2 x SATA-150
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports as 10/100/1000Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B
Audio	AC'97 Codec audio as MIC-in/Line-out/Speaker-out with Realtek ALC655
USB	8 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	8 channels (4-IN & 4-OUT)

## Features

- Socket 478 for Intel® Pentium® M/ Celeron® M processor with FSB 400 MHz
- Intel® 910GML E + ICH6M chipset
- DualView with different content & resolution
- 8 USB 2.0 ports for high speed peripherals
- 2 Serial ATA-150 supported
- 6 COM ports



▲ Side view

## Display

Chipset	Intel® GMA 900 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

### Standard

Quick installation guide, user's manual/utility CD, cable, CPU cooler (socket type)

### Cable

Part Number	Description	Qty
593836A0030E	SATA power cable 150mm	1
593826A0000E	SATA signal cable 500mm	1

## Ordering Information

### Standard

SBC86822VGGA (P/N: E386822100)	Socket 478 Mini ITX SBC with VGA, 18-bit single/dual LVDS LCD, 2 10/100/1000Mbps Ethernet (RTL8111B), AC 97 audio and 6 COM ports
SBC86822VGGA-1GE (P/N: E386822101)	Mini ITX SBC with ULV Intel® Celeron® M 1 GHz/0K CPU onboard, VGA/LVDS LCD, 2 10/100/1000Mbps Ethernet (RTL8111B), AC 97 audio and 6 COM ports (fanless)