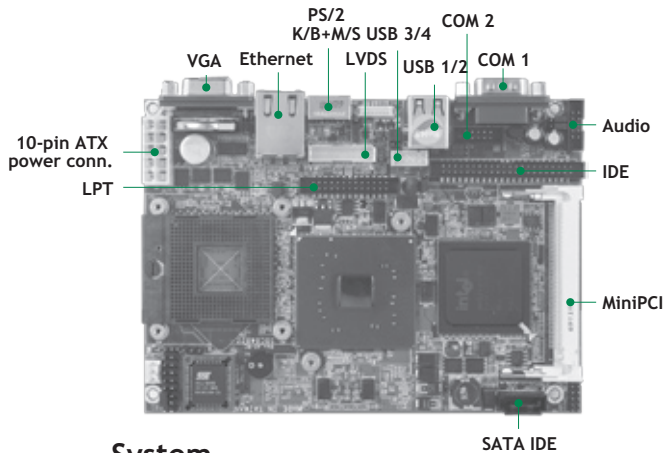


# SBC84822

Intel® Pentium® M 3.5" Embedded SBC with Intel® 915GME/910GMLE + ICH6M Chipset, DualView, SATA and MiniPCI



1 G.E.  
LVDS/VGA  
MiniPCI  
CompactFlash™  
4 USB 2.0

## System

CPU	Socket 478 for Intel® Pentium® M/ Celeron® M processors with FSB 400/533 MHz; ULV Intel® Celeron® M processor 1GHz/512KB or 1GHz/ZC onboard
System Memory	1 x 200-pin SO-DIMM supports DDR2-400/533 max. up to 1GB
Chipset	Intel® 915GME/910GMLE + ICH6M
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1~255 sec.
Expansion interface	1 x MiniPCI type-III
Battery	Lithium 3V/220 mA
Power Requirements	*Intel® Celeron® M @ 1GB/ZC, 1GB DDR2 Max. RMS: +5VSB @ 23mA, +5V @ 2.085A, +12V @ 315mA *Intel® Pentium® M @ 2.0 GHz, 1GB DDR2 Max. RMS: +5VSB @ 24mA, +3.3V @ 23mA, +5V @ 2.379A, +12V @ 1.608A, -12V @ 22mA *Intel® Celeron® M @ 1.0 GHz/512KB cache, 1GB DDR2 Max. RMS: +5VSB @ 22.64mA, +5V @ 2.437A, +12V @ 24mA *Intel® Celeron® M @ 1.0 GHz/0KB cache, 1GB DDR2 Max. RMS: +5VSB @ 22.64mA, +3.3V @ 22.6mA, +5V @ 2.437A, +12V @ 24mA, -12V @ 23.76mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +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 FDD 1 x PS/2 keyboard and mouse 2 x RS-232; with +5V/+12V powered 1 x LPT; with SPP/EPP/ECP supported
SATA	1 x SATA-150
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	1 port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/speaker out with Realtek ALC203
USB	4 x USB 2.0

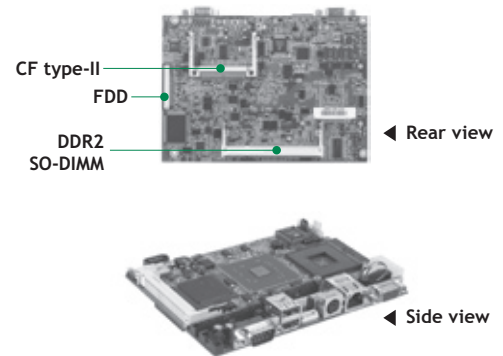
## Display

Chipset	Intel® GMA 900 graphics Core
Memory Size	Intel® DVM 3.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

## Features



- Socket 478 for Intel® Pentium® M/ Celeron® M processor with FSB 400/533 MHz
- Intel® 915GME/910GMLE + ICH6M chipset
- DualView with different content & resolution
- 4 USB 2.0 ports
- 1 Serial ATA-150 supported



## Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
5938450000E	COM + printer cable w/ bracket P=2.0, L=250mm	1
59384500100E	Audio cable w/ bracket P=2.0 L=450mm	1
59484500010E	44-44-40 pin IDE cable L=200mm+200mm	1
59402010000E	ATX power cable 10P L=150mm	1
593826A0000E	SATA single cable 500mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket L=180mm	1

## Ordering Information

Standard	
SBC84822VGA (P/N: E384822100)	Socket 478 3.5" SBC with VGA/LVDS LCD, 10/100/1000Mbps, AC'97 audio and 2 COM ports
SBC84822VGA-1GE (P/N: E384822102)	3.5" SBC with ULV Intel® Celeron® M 1 GHz/ZC CPU onboard, VGA/LVDS LCD, 10/100/1000Mbps, AC'97 audio and 2 COM ports
Optional	
SBC84822VGA-1G (P/N: E384822103)	3.5" SBC with ULV Intel® Celeron® M 1 GHz/512K CPU onboard, VGA/LVDS LCD, 10/100/1000Mbps, AC'97 audio and 2 COM ports

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