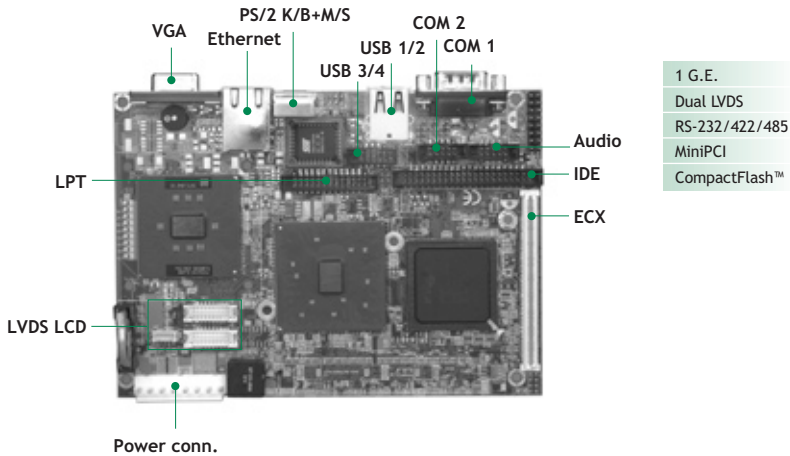


# SBC84810

Intel® Pentium® M Embedded SBC with Intel® 852GM+ICH4 Chipset, DualView and Audio

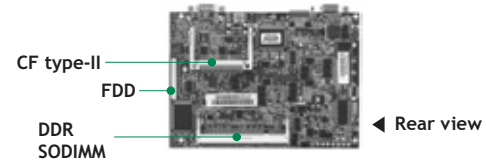


- 1 G.E.
- Dual LVDS
- RS-232/422/485
- MiniPCI
- CompactFlash™

## Features



- LV/ULV fanless Intel® Pentium® M/Celeron® M processor onboard
- Intel® 852GM+ICH4 chipset
- DualView with different content & resolution
- 4 COM ports via stacking kit
- Dual LVDS option via stacking kit
- MiniPCI expansion via stacking kit



## System

CPU	LV/ULV Intel® Pentium® M/Celeron® M processor onboard
System Memory	1 x 200-pin DDR-400 SODIMM 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 with DMA supported
Watchdog Timer	255 levels, 0-255 sec.
Expansion Interface	1 x ECX slot for DVO B/C, PCI and LPC
Battery	Lithium 3V/196 mAh
Size	146 x 104 mm
Operation Temperature	Standard: 0°C ~ +60°C (32°F ~ 140°F) Optional: -25°C ~ +70°C (-13°F ~ +158°F) -20°C ~ +60°C (-4°F ~ +140°F)
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard/mouse 1 x RS-232 (COM 2); with +5V/+12V powered, via stacking kit (AX93200) 1 x RS-232/422/485 (COM 1); with +5V/+12V powered 1 x LVDS (optional) 1 x MiniPCI
SATA	N/A
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System Fan features
Ethernet	1 port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8100C (optional for 10/100/1000Mbps with Realtek RTL8110S)
Audio	AC'97 Codec audio as MIC-in/Line-out/ Speaker-out with Realtek ALC202A
USB	4 x USB 2.0; via box-header for wiring solution
Digital I/O	2 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	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 for 18/36/24/48-bit TFT LCD * Optional 2 <sup>nd</sup> 48-bit LVDS LCD mode via stacking kit (AX93200)

\* W.T.: Wide Temperature

## Packing List

Standard				
Quick installation guide, user's manual/utility CD, cable				
Cable				
Part Number	Description	SBC84810	SBC84810VEA	SBC84810
		VEA-1GL	-1GEL	VEA-600L
		Qty	Qty	Qty
59381560000E	Mini DIN Y-cable for PS/2 K/B+M/S	1	1	1
59384500000E	COM + printer cable	1	1	1
59384500100E	Audio cable w/ bracket	1	1	1
59408000010E	FFC 26P cable, L=210mm	1	1	1
59408000090E	FFC 26P cable, L=290mm	1	1	1
59484500010E	44-44-40 pin IDE cable	1	1	1
59908355000E	Power cable 8-pin P=130mm	1	1	1

## Ordering Information

Standard	
SBC84810VEA-1GEL (P/N: E384810116)	3.5" SBC with Intel® Celeron® M 1 GHz/ZC CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM ports
SBC84810VEA-600L (P/N: E384810123)	3.5" SBC with Intel® Celeron® M 600 MHz/512KB CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM ports
Optional	
SBC84810VEA-1GL (P/N: E384810103)	3.5" SBC with ULV 373 Intel® Celeron® M 1 GHz/512KB CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM ports
SBC84810VEA-1G (P/N: E384810105)	3.5" SBC with ULV 373 Intel® Celeron® M 1 GHz/512KB CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and 4 COM ports (AX93200C)
SBC84810VEEA-1G (P/N: E384810106)	3.5" SBC with ULV 373 Intel® Celeron® M 1 GHz/512KB CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and AX93201 2 <sup>nd</sup> LAN kit
SBC84810VEA-600 (P/N: E384810122)	3.5" SBC with Intel® Celeron® M 600 MHz/512KB CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio, 4 COM ports and W.T. (-20°C ~ +70°C)
SBC84810VEA-1G (P/N: E384810133)	3.5" SBC with Intel® Celeron® M 1 GHz/512KB CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio, 4 COM ports and W.T. (-20°C ~ +60°C)

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