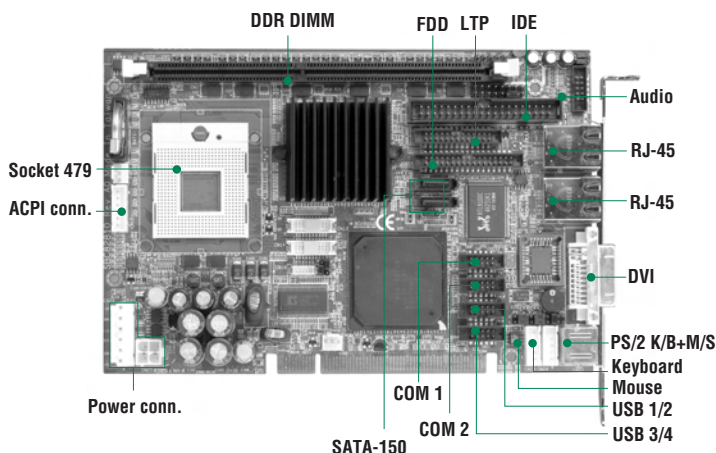


# SBC82810

Socket 478 Intel® Pentium® M PCI CPU Card with DualView,  
Dual Ethernet, DVI and SATA-150



## System

|                     |   |
|---------------------|---|
| CPU                 | Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400 MHz                                    |
| System Memory       | 1 x 184-pin DDR DIMM max. up to 1GB(ECC & DDR333 supported by 855GME only)                                |
| Chipset             | Intel® 852GM+6300ESB  |
| BIOS                | Phoenix-Award 4Mbit flash with SmartView, RPL & PXE Ethernet Boot ROM, SmartView and customer CMOS backup |
| SSD                 | CompactFlash™ type-II socket with DMA supported   |
| Watchdog Timer      | System reset and SMI; 1024 levels, 0~600 seconds  |
| Expansion Interface | PCI golden finger expansion interface   |
| Battery             | Lithium 3V/196 mA   |
| Size                | 185 x 122 mm  |
| Temperature         | 0~60°C, operation   |
| Operation Humidity  | 10% ~ 95% relative humidity, non-condensing   |

## I/O

|          |   |
|----------|---|
| MIO      | 2 x SATA-150 IDE, 1 x PATA-100 IDE, 1 x FDD, 1 x K/B + M/S, 1 x RS-232, 1 x RS-232/422/485 with auto flow control, 1 x LPT, 1 x IrDA                          |
| Ethernet | Max. up to 2 x Realtek RTL8100C Fast Ethernet with RJ-45 connectors supports WOL via ATX power supply; RPL/PXE Boot ROM (Optional dual RTL8110SC for Gigabit) |
| Audio    | AC'97 codec audio   |
| USB      | 4 USB 2.0 ports   |

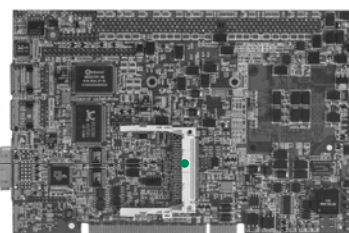
## Display

|                  |   |
|------------------|---|
| Chipset          | Integrated in Intel® 855GME/852GM                                   |
| Memory Size      | Max. up to 64MB frame buffer sharing system memory                  |
| Resolution       | CRT: 1920 x 1440@60Hz; LVDS LCD: 1400 x 1050@60Hz; DVI: 1400 x 1050 |
| Output Interface | LVDS interface for TFT LCD<br>DVI-I port combined with CRT          |

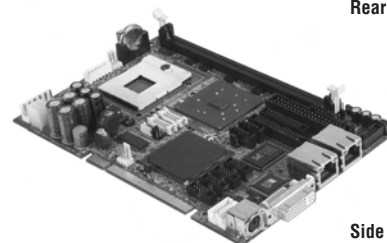
## Features



- ▶ Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400MHz
- ▶ Intel® 852GM+6300ESB chipset
- ▶ DualView with different content & resolution
- ▶ SATA-150 supported with RAID function
- ▶ Dual Ethernet as Fast Ethernet and Gigabit option
- ▶ DMA mode CompactFlash™ and IDE interface for 40-pin DiskOnModule®



Rear view



Side view

## Packing List

- Quick installation guide
- Manual, driver & utility CD and cable kit (refer to cable list in chapter 9)

## Ordering Information

| Standard          |  |
|-------------------|--|
| SBC82810DEA       | Socket 478 half-size SBC with DVI, Fast Ethernet and audio                           |
| SBC82810DEE       | Socket 478 half-size SBC with DVI and dual Fast Ethernet                             |
| SBC82810DEA-600   | Half-size SBC with Intel® Celeron® M 600 MHz/512KB CPU, DVI, Fast Ethernet and audio |
| Optional          |  |
| SBC82810DEA-1GE   | Half-size SBC with Intel® Celeron® M 1GHz/0KB CPU, DVI, Fast Ethernet and audio      |
| SBC82810DGG       | Socket 478 half-size SBC with DVI and dual Gigabit Ethernet                          |
| ATX6021/4         | 4-slot passive backplane   |
| ATX6021/5         | 4-slot passive backplane   |
| DVI Adapter       | DVI-to-CRT & DVI Y-cable   |
| CK9A003           | 1 x Audio cable, 4 x USB 2.0 cable   |
| Enclosure Options |  |
| AX6033            | 4-slot MicroBox with 70W AC P/S  |
| AX60530           | 6-slot MicroBox with 150W AC P/S   |
| EM60320D          | Embedded MicroBox with AC 180W P/S   |