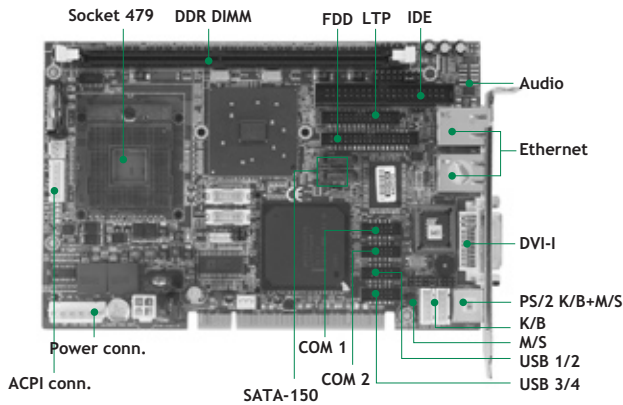


# SBC82810

Socket 478 Intel® Pentium® M PICMG 1.0 PCI Half-size CPU Card with Intel® 852GM+6300ESB Chipset, DVI-I/LVDS, Dual LANs and Audio



LVDS/CRT
RS-232/422/485
4 USB 2.0
AC'97 Audio
4 PCI
CompactFlash™
DVI-I/LVDS

## Features

- Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400 MHz
- Intel® 852GM+6300ESB chipset
- 1 DDR DIMM supports up to 1 GB memory
- Dual 10/100/1000Mbps Ethernet and Audio
- DVI-I for VGA and DVI-D display output
- SATA-150 with RAID 0, 1

## Display

Chipset	Intel® 852GM GMCH integrated graphics engine
Memory Size	Dedicated frame buffer up to 64MB
Resolution	* VGA up to 1920 x 1440 @ 60 Hz * LVDS up to 1400 x 1050 * DVI-D up to 1400 x 1050
Output Interface	* DVI-I edge connector includes VGA & DVI-D * LVDS with 2 x 20-pin connector

## System

CPU	Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400 MHz
System Memory	1 x 184-in DDR DIMM max. up to 1 GB
Chipset	Intel® 852GM+6300ESB
BIOS	Phoenix-Award BIOS
SSD	1 x CompactFlash™ type-II socket
Watchdog Timer	1024 levels, 1-600 sec.
Expansion Interface	PCI with 4 bus masters
Battery	Lithium 3V/196mAH
Size	185 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 1 x RS-232 (COM 1) 1 x RS-232/422/485 (COM 2)
SATA	2 x SATA-150
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System fan features
Ethernet	2 ports as 10/100Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8100C (optional as 10/100/1000Mbps with Realtek RTL8110SC)
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/ Speaker-out with Realtek ALC203
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control interface

## Packing List

Standard					
Quick installation guide, user's manual/utility CD, cable					
Cable					
Part Number	Description	SBC82810DEA Qty	SBC82810DEE Qty	SBC82810DEA-1GE Qty	SBC82810DEA-600 Qty
59384500000E	COM + Print cable w/ bracket	1	1	1	1
59384500300E	FDD flat cable 2.54 to 2.0 pitch 320mm	1	1	1	1
59382601000E	Ultra DMA66 IDE cable 40-pin 455mm	1	1	1	1
593826A0000E	SATA signal cable 500mm	1	1	1	1
593836A0000E	2 x USB 2.0 wafer cable with bracket 180mm	1	1	1	1
59384500100E	Audio cable with bracket 2.0 pitch 450mm	1	1	1	1
59381560000E	Mini DIN Y-cable for PS/2 K/B+M/S	1	1	1	1

## Ordering Information

Standard	
SBC82810DEA (P/N: E382820100)	Socket 478 PICMG 1.0 half-size CPU card with DVI-I, LVDS, 10/100Mbps, audio and 4 USB
SBC82810DEE (P/N: E382820101)	Socket 478 PICMG 1.0 half-size CPU card with DVI-I, LVDS, 2 10/100Mbps and 4 USB
SBC82810DEA-1GE (P/N: E382820108)	PICMG 1.0 half-size CPU card with ULV Intel® Celeron® M 1 GHz/ZC CPU, DVI-I, LVDS, 10/100Mbps, audio and 4 USB
SBC82810DEA-600 (P/N: E382820109)	PICMG 1.0 half-size CPU card with ULV Intel® Celeron® M 600 MHz/512KB CPU, DVI-I, LVDS, 10/100Mbps, audio and 4 USB
Optional	
594826A0010E	DVI-I to CRT & DVI-D Y-cable
E39A003100	CK9A003; 1 x audio cable, 4 USB 2.0 cables