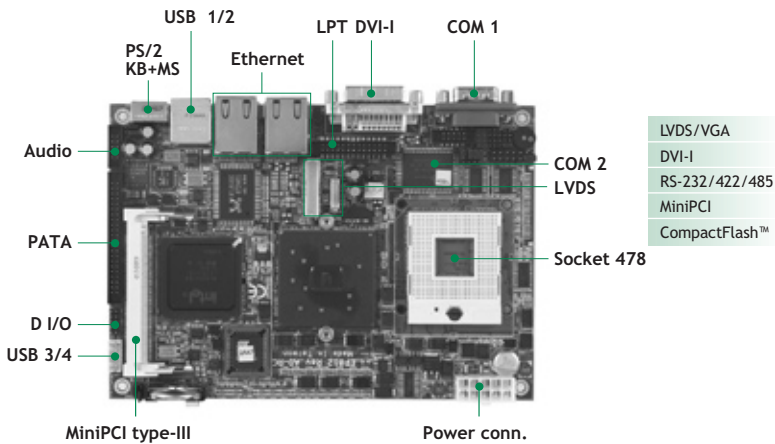


EP812

Socket 478 Intel® Pentium® M EPIC SBC with Intel® 852GM+ICH4 Chipset, DualView, Dual LANs and DVI-I Display



Features



- Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400 MHz
- Intel® 852GM+ICH4 chipset
- DualView with different content & resolution
- DVI-I interface for DVI and VGA display
- Dual 10/100Mbps Ethernet
- MiniPCI extension via stacking kit

System

CPU	Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400 MHz
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
Board Unique ID	Board unique ID (optional)
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x MiniPCI type-III
Battery	Lithium 3V/196 mAh
Size	165 x 115 mm
Temperature	0°C - +60°C (32°F - 140°F), operation
Operation Humidity	10% - 95% relative humidity, non-condensing

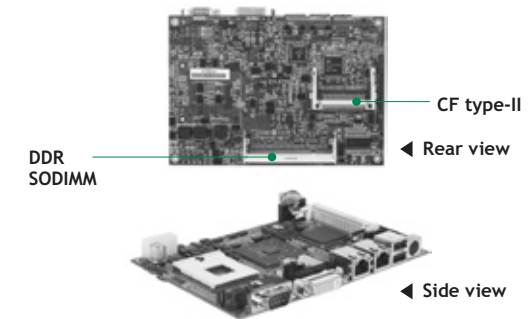
I/O

MIO	1 x IDE; PATA-100 1 x FDD (optional) 1 x PS/2 keyboard/mouse 1 x RS-232 (COM 2); with +5V/+12V powered 1 x RS-232/422/485 (COM 1); with +5V/+12V powered 1 x LPT; with SPP/EPP/ECP supported
SATA	N/A
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System Fan features
Ethernet	* 1st port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8100C (optional for 10/100/1000Mbps with Realtek RTL8110S) * 2nd port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL
Audio	AC'97 Codec audio as MIC-in/Line-out/ Speaker-out with Realtek ALC203
USB	4 x USB 2.0; via box-header for wiring solution
Digital I/O	8 channels IN/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 * DVI: 1600 x 1200
Output Interface	* DVI-I connector for both DVI and CRT output * LVDS LCD with 40-pin connector and inverter control interface

* W.T.: Wide Temperature



Packing List

Standard				
Quick installation guide, user's manual/utility CD, cable				
Cable				
Part Number	Description	EP812DEEA	EP812DEEA-600	EP812DEEA-1GE
		Qty	Qty	Qty
59484500010E	44-44-40 pin IDE cable L=200mm+200mm	1	1	1
59402010000E	ATX power cable 10P L=150mm	1	1	1
59384500000E	COM + printer cable w/ bracket P=2.0, L=250mm	1	1	1
59384500100E	Audio cable w/ bracket P=2.0 L=450mm	1	1	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket L=180mm	1	1	1

Ordering Information

Standard	
EP812DEEA	Socket 478 EPIC SBC with DVI-I/LVDS LCD, (P/N: E38B812100)
EP812DEEA-600	EPIC SBC with ULV Intel® Celeron® M (P/N: E38B812101)
EP812DEEA-1GE	EPIC SBC with ULV Intel® Celeron® M (P/N: E38B812102)
Optional	
EP812DEEA-1G	EPIC SBC with ULV 373 Intel® Celeron® M 1 GHz/512KB CPU onboard, DVI-I/LVDS LCD, 10/100Mbps and AC'97 audio
EP812DGEA	Socket 478 EPIC SBC with DVI-I/LVDS LCD, G.E., 10/100Mbps and AC'97 audio

* All specifications and photos are subject to change without notice.

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