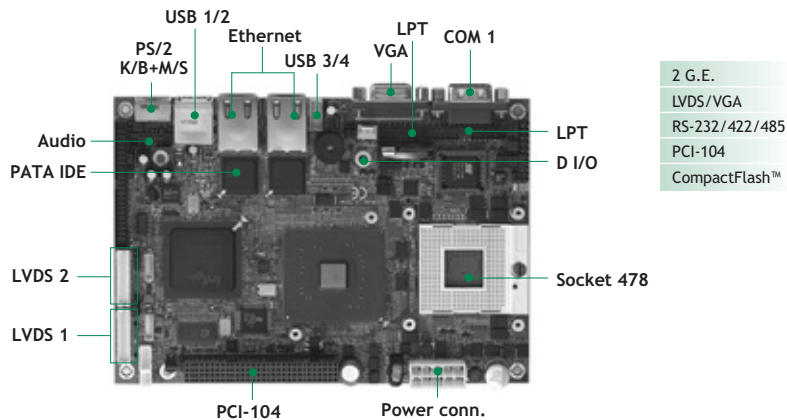


# EP820

Socket 478 Intel® Pentium® M EPIC SBC with Intel® 915GME/910GML E +ICH6M Chipset, DualView, SATA and PCI-104 Expansion

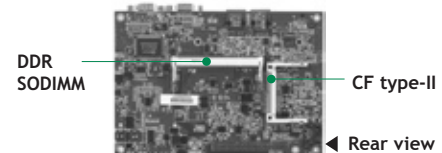


2 G.E.  
LVDS/VGA  
RS-232/422/485  
PCI-104  
CompactFlash™



## Features

- Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400/533 MHz
- Intel® 915GME/910GML E+ICH6M chipset
- DualView with different content & resolution
- 4 USB 2.0 ports for high speed peripherals
- Serial ATA-150 supported
- PCI-104 slot for expansion



## System

CPU	Socket 478 for Intel® Pentium® M/Celeron® M processor with FSB 400/533 MHz
System Memory	1 x 200-pin DDR2-400/533 SODIMM max. up to 1GB
Chipset	Intel® 915GME/910GML E+ICH6M
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
SSD	1 x CompactFlash™ type-II with DMA mode support
Watchdog Timer	255 levels, 0-255 sec.
Expansion Interface	1 x PCI-104 for 32-bit/33MHz PCI stacking expansion
Battery	Lithium 3V/196mAH
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	1 x SATA-150
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 Intel® 82551QM * 2nd port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82562GZ
Audio	AC'97 Codec audio as MIC-in/Line-out/ Speaker-out with Realtek ALC203
USB	4 x USB 2.0
Digital I/O	8 channels IN-OUT

## Display

Chipset	Integrated in Intel® 915GME/910GML E GMCH
Memory Size	Max. up to 128MB frame buffer sharing system memory
Resolution	* VGA up to 2048 x 1536 @ 75 Hz with 32-bit color * LVDS up to 1600 x 1200
Output Interface	* VGA with D-sub 15-pin connector * 1 <sup>st</sup> LVDS LCD with 1 x 40-pin connectors * 2 <sup>nd</sup> LVDS LCD with 1 x 40-pin connectors (Optional)

\* W.T.: Wide Temperature

## Packing List

Standard			
Quick installation guide, user's manual/utility CD, cable			
Cable			
Part Number	Description	EP820VEEA Qty	EP820VEEA-1GE Qty
59381560000E	Mini DIN Y-cable for PS/2 K/B+M/S	1	1
59484500010E	44-44-40 Pin IDE cable L=200mm+200mm	1	1
59402010000E	ATX power cable 10P L=150mm	1	1
59384500000E	COM + printer cable w/ bracket P=2.0, L=250mm	1	1
59384500100E	Audio cable w/ bracket P=2.0 L=450mm	1	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket L=180mm	1	1
593826A0000E	SATA signal cable 500mm	1	1

## Ordering Information

Standard	
EP820VEEA (P/N: E38B820100)	Socket 478 EPIC SBC with VGA/LVDS LCD, 2 10/100Mbps (Intel® i82551QM+ Intel® i82562GZ) and audio
EP820VEEA-1GE (P/N: E38B820107)	EPIC SBC with Intel® 910GML E chipset, ULV Intel® Celeron® M 1 GHz/ZC CPU onboard, VGA/LVDS LCD, 2 10/100Mbps (Intel® i82551QM-Intel® i82562GZ) and audio
Optional	
EP820VEEA-1G (P/N: E38B820103)	EPIC SBC with ULV (373) Intel® Celeron® M 1GHz CPU onboard, VGA/LVDS LCD, 2 10/100Mbps (Intel® i82551QM) and AC'97 audio
EP820VLEEA (P/N: E38B820109)	EPIC SBC with Intel® 910GML E chipset, ULV Intel® Celeron® M 1 GHz/ZC CPU onboard, VGA/Dual LVDS LCD, 2 10/100Mbps (Intel® i82551QM) and AC'97 audio