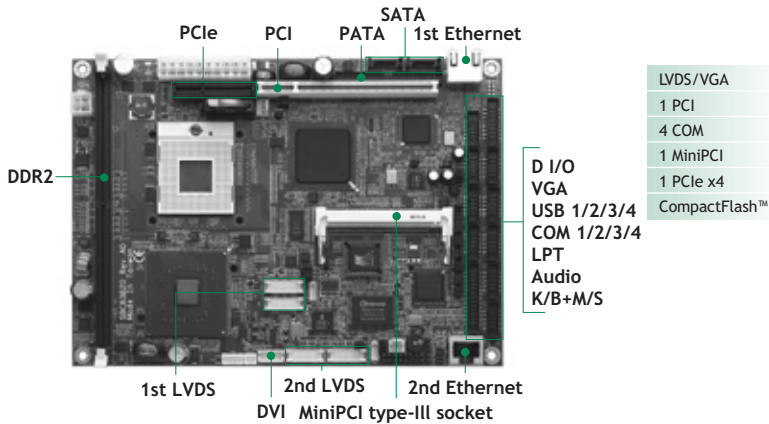


SBC83820

Socket 478 Intel® Pentium® M Embedded SBC with Intel® 915GME/910GML E +ICH6M Chipset, DualView, Dual LANs, 4 COM and PCI Express

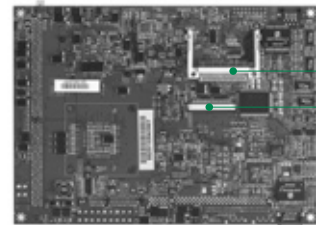


- LVDS/VGA
- 1 PCI
- 4 COM
- 1 MiniPCI
- 1 PCIe x4
- CompactFlash™



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
- Dual 10/100/1000Mbps Ethernet option supported
- 4 COM ports for transaction terminal applications
- Serial ATA-150 supported
- 1 PCIe, MiniPCI and PCI expansion interfaces



▲ Rear view

System

CPU	Socket 478 for Intel® Pentium® M/Celeron® M processor up-to-date frequency with FSB 400/533 MHz
System Memory	1 x 240-pin DDR2-400/533 DIMM 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 Express for three PCIe x 1 * 1 x 32-bit/33MHz PCI for 2 Masters * 1 x MiniPCI type-III
Battery	Lithium 3V/196 mAh
Size	203 x 146 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 1 x PS/2 keyboard 1 x PS/2 mouse 3 x RS-232 (COM 1/3/4); with +5V/+12V powered 1 x RS-232/422/485 (COM 2); with +5V/+12V powered
SATA	2 x SATA-150
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System Fan features
Ethernet	* 1st port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82551QM * 2nd port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82562GZ
Audio	AC'97 Codec audio as Mic-in/Line-in/Line-out/ Speaker-out with Realtek ALC202A
USB	4 x USB 2.0; via box-header
SMBus	N/A
Digital I/O	4 channel IN and 4 channel OUT

* W.T.: Wide Temperature

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 232-bit color 1st LVDS LCD: 18-bit single/dual channel up to 1600 x 1200 2nd LVDS: 1600 x 1200 * DVI: 1600 x 1200 (optional)
Output Interface	* VGA with D-sub 15-pin connector * 1st LVDS LCD with 2 x 20-pin connectors * 2nd LVDS LCD with 2 x 20-pin connectors (optional) * DVI LCD with 1 x 20-pin DF20 connector (optional)

Packing List

Quick installation guide, user's manual/utility CD, cable

Ordering Information

Standard	
SBC83820VEEA	Socket 478 5.25" SBC with VGA/LVDS LCD, 2 10/100Mbps (i82551QM), AC'97 audio and 4 COM ports
(P/N: E383820102)	
Optional	
SSBC83820VLEEA	Socket 478 5.25" SBC with VGA/Dual LVDS LCD, 2 10/100Mbps (i82551QM), AC'97 audio and 4 COM ports
CK9A001	1 x PS/2 KB-MS cable, 1 x Y-type PS/2 KB+MS adapter, 1 x VGA cable
CK9A002	1 x 44pin-to-44 & 40-pin IDE cable, 1 x 40pin-to-40pin DMA66/100 IDE cable, 2 x SATA-150 cable, 1 x 26pin FDD cable, 1 x 26pin FDD reverse cable, 2 x COM cable, 1 x LPT cable
CK9A003	1 x audio cable, 4 x USB 2.0 cable