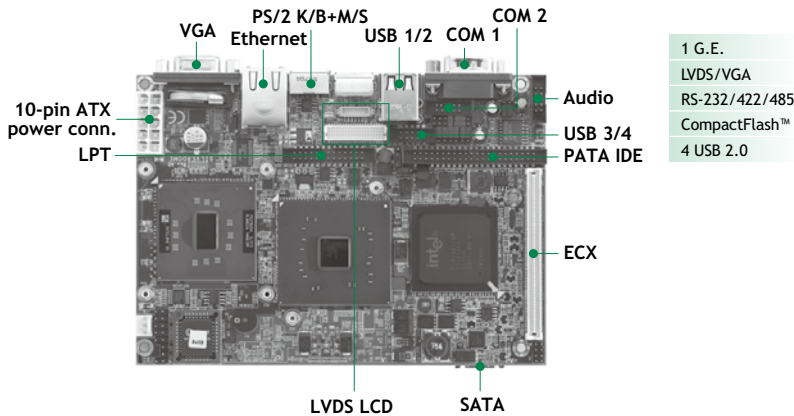


# SBC84820

Intel® Pentium® M 3.5" Embedded SBC with Intel® 915GME/910GMLE + ICH6M Chipset, DualView, SATA and PCI Express

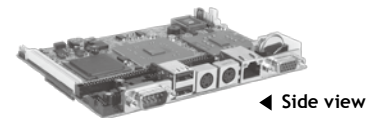
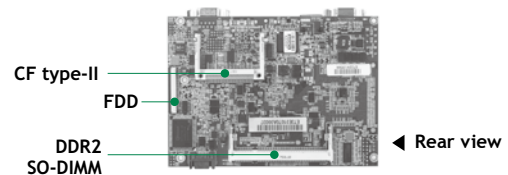


1 G.E.
LVDS/VGA
RS-232/422/485
CompactFlash™
4 USB 2.0

## Features



- LV/ULV Intel® Pentium® M/Celeron® M processor onboard
- Intel® 915GME/910GMLE + ICH6M chipset
- DualView with different content & resolution
- 4 USB 2.0 ports for high speed peripherals
- 1 Serial ATA-150 supported
- PCIe and PCI extension through stacking kits



## System

CPU	Intel® Celeron® M processor ULV 373 1GHz/512KB or 1GHz/ZC onboard
System Memory	1 x 200-pin SO-DIMM supports DDR2-400/533 max up to 1GB
Chipset	Intel® 915GME/910GMLE + ICH6M
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x ECX slot supports for SDVO or PCI or PCIe x1 device
Battery	Lithium 3V/220 mA
Size	146 x 104 mm
Operation Temperature	Standard: 0° C ~ +60° C (32° F ~ 140° F) Optional: -20° C ~ +70° C (-13° F ~ +158° F)
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard and 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	Detect CPU/system temperature, voltage and fan speed
Ethernet	1 port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 8251QM
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/speaker out with Realtek ALC203
USB	4 x USB 2.0 ports
Digital I/O	2 channels IN & 4 channels OUT

## Display

Chipset	Intel® GMA 900 graphics Core
Memory Size	Intel® DVMT 3.0 compliant
Display Interface	1 x VGA 1 <sup>st</sup> LVDS; 18/24-bit single/dual channel 2 <sup>nd</sup> LVDS; 18/24-bit single/dual channel (optional) 2 <sup>nd</sup> LVDS LCD via AX93208

\* W.T.: Wide Temperature

## Packing List

Standard				
Quick installation guide, user's manual/utility CD, cable				
Cable				
Part Number	Description	SBC84820 VEA-1GL Qty	SBC84820 VEA-1G Qty	SBC84820 VEA-1GEL Qty
59381560000E	Mini DIN Y-cable for PS/2 K/B+M/S	1	1	1
59384500000E	COM + printer cable	1	1	1
59384500100E	Audio cable w/ bracket	1	1	1
59484500010E	44-44-40 pin IDE cable	1	1	1
59402010000E	ATX power cable 10P	1	1	1
59384500200E	COM x 2 w/ bracket		1	

## Ordering Information

Standard	
SBC84820VEA-1GL (P/N: E384820100)	3.5" SBC with ULV 373 Intel® Celeron® M 1 GHz CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM ports
SBC84820VEA-1GEL (P/N: E384820107)	3.5" SBC with ULV Intel® Celeron® M 1 GHz/ZC CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM ports
Optional/MOQ	
SBC84820VEA-1G (P/N: E384820102)	3.5" SBC with ULV 373 Intel® Celeron® M 1 GHz CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio, 4 COM ports and Mini PCI type-III socket (with AX93200C)
SBC84820VEEA-1G (P/N: E384820101)	3.5" SBC with ULV 373 Intel® Celeron® M 1 GHz CPU, VGA/LVDS LCD, 2 10/100Mbps, AC'97 audio, 2 COM ports and MiniPCI type-III socket (with AX93202)
SBC84820VLEGA-1G (P/N: E384820105)	3.5" SBC with ULV373 Intel® Celeron® M 1 GHz CPU, VGA/Dual LVDS 10/100Mbps, 10/100/1000Mbps, AC'97 audio 2 COM port (with AX93208)
SBC84820VEA-1GEL (P/N: E384820117)	3.5" SBC with ULV Intel® Celeron® M 1 GHz/ZC CPU, VGA/LVDS LCD, 10/100Mbps, AC'97 audio, 2 COM ports and W.T. (-20° C ~ +70° C)
AX93222D	DVI-D & MiniPCI ECX adapter
AX93222V	CRT & MiniPCI ECX adapter