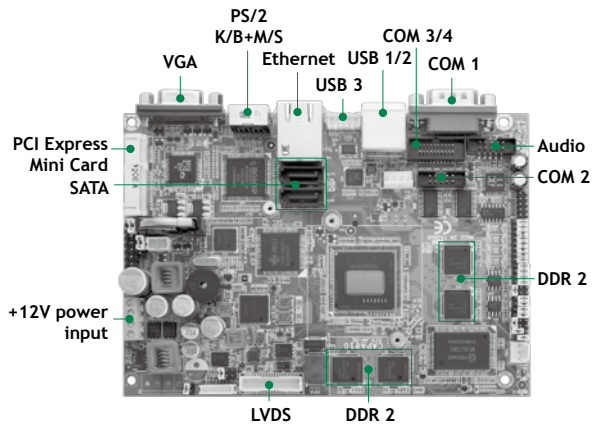


# CAPA810

Intel® Atom™ E620/ E640 3.5" Embedded SBC with VGA/LVDS, Single LAN and PCI Express Mini Card

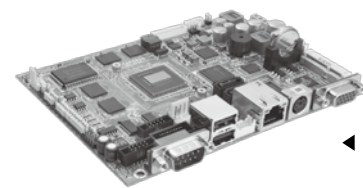
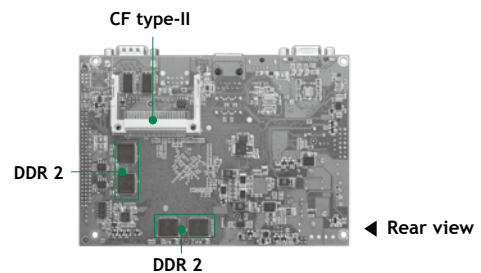


Atom™ E620/ E640  
 1 G.E.  
 LVDS/VGA  
 2 RS-232/422/485  
 3 USB 2.0  
 Mini Express Mini Card  
 CompactFlash™

## Features



- Intel® Atom™ processor E620 (600 MHz)/ E640 (1.0 GHz)
- 1 GB/2 GB DDR2 memory onboard
- 3 USB 2.0 ports
- 4 COM ports
- PCI Express Mini Card



## System

CPU	Intel® Atom™ processor E620 600 MHz, E640 1.0 GHz onboard
System Memory	1 GB DDR2-800 onboard (2 GB as option)
Chipset	N/A
BIOS	AMI
SSD	1 x CompactFlash™ type-II socket
Watchdog Timer	255 levels, 0-255 sec.
Expansion Interface	1 x PCI Express Mini Card
Battery	Lithium 3V/220mAh
Power Input	1 x 4-pin Phoenix connector +12V DC-in only Optional DC-5V only (+12V is required for +12V powered COM and LVDS inverter) AT Auto Power ON function supported
Power Requirements	TBD
Size	146 x 102mm
Board Thickness	1.6 mm
Temperature	0°C ~+60°C (32°F~+140°F), operation
Relative Humidity	10% - 95% relative humidity, non-condensing

## I/O

MIO	1 x PS/2 keyboard and mouse 2 x RS-232/422/485 (COM1-2); with +5V/+12V powered 2 x RS-232 (COM3-4); with +5V/+12V powered
SATA	2 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 ports as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with RTL8111E
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	3 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmable

## Display

Chipset	Intel® GMA 600 graphics core
Memory Size	256MB
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single channel (optional)

## Packing List

Standard
Quick installation guide, user's manual/utility CD and cables

## Ordering Information

Standard	
CAPA810VGA-E620 w/12V-RC	3.5"SBC with Intel® Atom™ processor E620 600 MHz with VGA, 1 10/100/1000Mbps, audio and 12V DC
CAPA810VGA-E640 w/12V-RC	3.5"SBC with Intel® Atom™ processor E640 1.0 GHz with VGA, 1 10/100/1000Mbps, audio and 12V DC
CAPA810VGA-E620 w/5V-RC	3.5"SBC with Intel® Atom™ processor E620 600 MHz with VGA, 1 10/100/1000Mbps, audio and 5V DC
CAPA810VGA-E640 w/5V-RC	3.5"SBC with Intel® Atom™ processor E640 1.0 GHz with VGA, 1 10/100/1000Mbps, audio and 5V DC