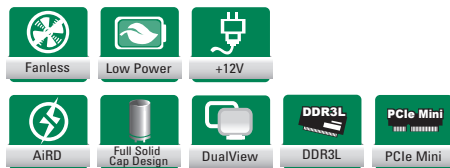


CAPA311 NEW

3.5" Embedded SBC with Intel® Atom® x5-E3940 Processor, HDMI, LVDS, 2 GbE LAN and Audio

Features

- Intel® Atom® x5-E3940 processor
- 1 DDR3L SO-DIMM for up to 8GB of memory
- 2 USB 2.0 and 4 USB 3.0
- 2 full-size PCI Express Mini Card slots

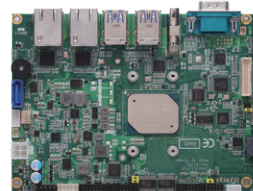
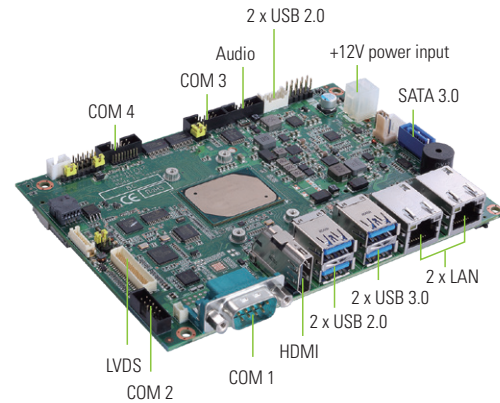


Core System

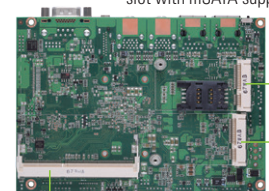
CPU	Intel® Atom® x5-E3940 processor onboard
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	65536 levels, 1 to 65535 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card slot with mSATA supported 1 x Full-size PCI Express Mini Card slot 1 x SIM slot
Battery Lithium	Lithium 3 V/220 mAh
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Atom® x5-E3940 @ 1.1 GHz 8GB DDR3L Max RMS: +12V @1.1A
Dimensions	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-40°C to +80°C (-40°F to +185°F)
Humidity	10% - 95% relative humidity, non-condensing

I/O

SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 x 10/100/1000 Mbps Ethernet with Intel® I211-AT; support Wake-on-LAN, PXE Boot ROM
Audio	HD Codec audio as Mic-in/Line-in/Line-out with Realtek ALC888S
USB	2 x USB 2.0 4 x USB 3.0
Serial	2 x RS-232/422/485 2 x RS-232
TPM	ST ST33HTPH2X32AHD8 with TPM2.0 compliant
SMBus	Yes; compatible with i²C
Digital I/O	8-channel in/out programmable



▲ Top view



DDR3L SO-DIMM ▲ Rear view

Full-size PCI Express Mini Card slot with mSATA supported

Full-size PCI Express Mini Card slot

Display

Chipset	Intel® integrated Gfx graphic engine
Memory Size	Share system memory
Display Interface	1 x HDMI 1 x LVDS; 18/24-bit single/dual channel 1 x VGA (optional) 1 x eDP (optional)

Packing List

Accessories		
Part Number	Description	Qty
59382620000E	1 x COM w/ bracket, P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/ bracket, P=2.0 mm, L=450 mm	1
594E8422800E	2 x USB 2.0 wafer cable w/ bracket, 180 mm	1

Ordering Information

Standard	
CAPA311HGGA-E3940 (P/N: E38E311102)	3.5" Embedded SBC with Intel® Atom® x5-E3940 processor (1.6 - 1.8 GHz, 2MB cache, 9.5W), HDMI, LVDS, 2 GbE LAN and audio