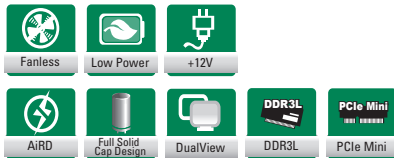


# CAPA311 NEW

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

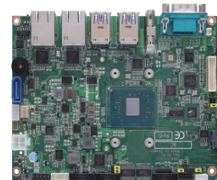
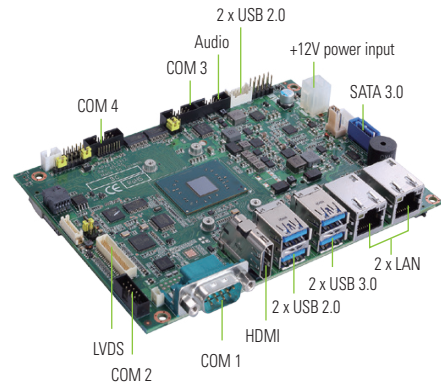


### Core System

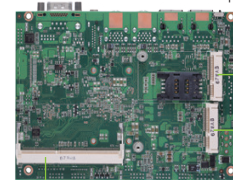
|                       |   |
|-----------------------|---|
| CPU                   | Intel® Atom® x5-E3940 processor onboard   |
| System Memory         | 1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB   |
| Chipset               | SoC integrated  |
| BIOS                  | AMI   |
| SSD                   | N/A   |
| Watchdog Timer        | 65536 levels, 1 to 65535 sec.   |
| Expansion Interface   | 1 x Full-size PCI Express Mini Card slot with mSATA supported<br>1 x Full-size PCI Express Mini Card slot<br>1 x SIM slot |
| Battery Lithium       | Lithium 3 V/220 mAh   |
| Power Input           | 2 x 2-pin connector<br>+12V DC-in only<br>AT Auto Power On function supported   |
| Power Requirements    | TBC   |
| Dimensions            | 146 x 104 mm  |
| Board Thickness       | 1.6 mm  |
| Operating Temperature | -40°C to +80°C (-40°F to +176°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 ALC662                        |
| USB                 | 2 x USB 2.0<br>4 x USB 3.0   |
| Serial              | 2 x RS-232/422/485<br>2 x RS-232   |
| TPM                 | ST ST33TPM12LPC with TPM 1.2 compliant   |
| SMBus               | Yes; compatible with fC  |
| Digital I/O         | 8-channel in/out programmable  |



▲ Top view



DDR3L SO-DIMM ▲ Rear view

Full-size PCI Express Mini Card slot

### Display

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

### Ordering Information

| Standard           |  |
|--------------------|--|
| CAPA311HGGGA-E3940 | 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 |
| Optional           |  |
| 59382620000E       | 1 x COM with bracket, P=2.0 mm, L=300 mm   |
| 59384500100E       | Audio cable with bracket, P=2.0 mm, L=450 mm   |
| 59382631000E       | 2 x USB 2.0 wafer cable with bracket, 180 mm   |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660