

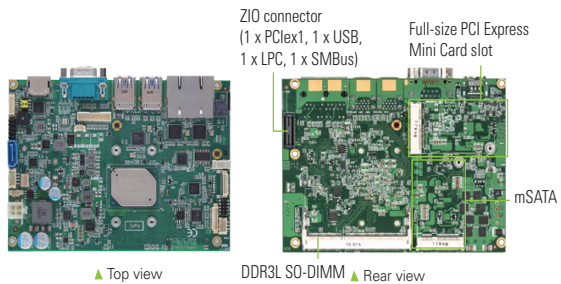
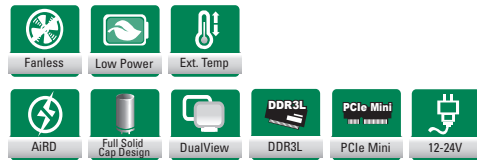
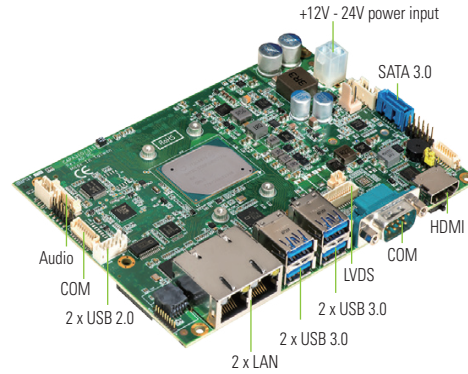
CAPA310

NEW

3.5" Embedded SBC with Intel® Atom® x5-E3940 Processor, LVDS, HDMI, 2 GbE LANs 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
- 1 PCI Express Mini Card slot
- ZIO connector



▲ Top view DDR3L SO-DIMM ▲ Rear view

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	1 x mSATA
Watchdog Timer	65536 levels, 1 to 65535 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card slot 1 x USB, 1x PCIe x1, 1x LPC, 1 x SMBus through a ZIO connector
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2 pin connector +12V to 24 VDC-in AT Auto Power On function supported
Power Requirements	Intel® Atom® x5-E3940 @1.6GHz 8GB DDR3L Max. RMS: +24V @0.8A
Dimensions	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-40°C to +80°C (-40°F to 185°F)
Humidity	10% to 95% relative humidity, non-condensing

I/O

SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
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 4 x USB 3.0
Serial	1 x RS-232/422/485 1 x RS-232
TPM	ST ST33HTPH2E32AHA6 with TPM 2.0 compliant (optional)
SMBus	Yes
Others	1 x I ² C
Digital I/O	8-channel in/out programmed

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)

Ordering Information

Standard	CAPA310HGA-E3940-ZIO 3.5" embedded SBC with Intel® Atom® x5-E3940 processor (P/N: E38E310100)	3.5" embedded SBC with Intel® Atom® x5-E3940 processor (1.6 to 1.8 GHz, 2MB Cache, 9.5W), HDMI, LVDS, 2 GbE LANs, audio, ZIO and heatsink
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Optional	AX93262 (P/N: E393262100)	ZIO module for 2 RS-232/422/485, 2 RS-232, 1 PCI Express Mini Card slot
	AX93285 (P/N: E393285100)	ZIO module for 2 RS-232, 32-bit programmable DIO
	AX93291 (P/N: E393291100)	ZIO module for 2 RS-232, 2 GbE LAN
	AX93295 (P/N: E393295100)	ZIO module for 2 isolated RS-232, 2 USB 3.0
	59380880250E	COM port cable DB9-9 x 1-pin, P=1.25 mm, L=250 mm
	59382631000E	2 x USB 2.0 cable with bracket, L= 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

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

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

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