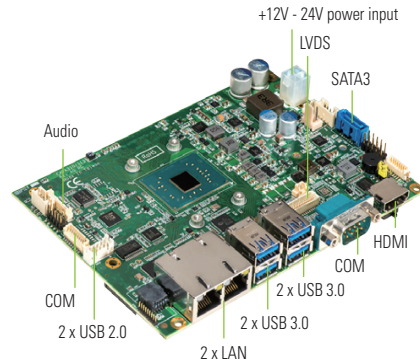


# CAPA313

3.5" Embedded SBC with Intel® Pentium® Processor N4200 & Celeron® Processor N3350, LVDS, HDMI, 2 GbE LANs and Audio

## Features

- Intel® Pentium® processor N4200/Celeron® processor N3350
- 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

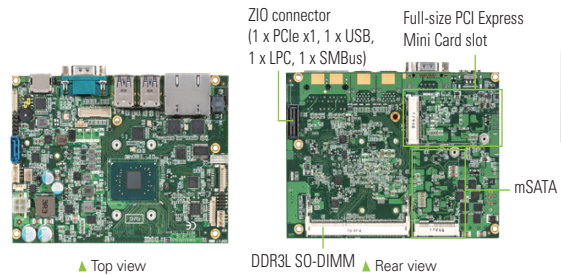


### Core System

CPU	Intel® Pentium® processor N4200/Celeron® processor N3350 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, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2-pin connector +12V to 24V DC-in AT Auto Power On function supported
Power Requirements	Intel® Pentium® N4200 @1.1 GHz 8GB DDR3L Max. RMS: +24V @ 0.8A Intel® Celeron® N3350 @1.1 GHz 8GB DDR3L Max. RMS: +24V @ 0.7A
Dimensions	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-20°C to +70°C (-4°F to +158°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 <sup>2</sup> C
Digital I/O	8-channel in/out programmable



▲ Top view

DDR3L SO-DIMM ▲ Rear view

### 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)

### Packing List

<b>Standard</b>	Quick installation guide, user's manual/utility CD and heatsink
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### Ordering Information

<b>Standard</b>	
CAPA313HGGA-N4200-ZIO (P/N: E38E313100)	3.5" embedded SBC with Intel® Pentium® processor N4200 (1.1 to 2.5 GHz, 2MB Cache, 6W), HDMI/LVDS, 2 GbE LANs and audio
CAPA313HGGA-N3350-ZIO (P/N: E38E313102)	3.5" embedded SBC with Intel® Celeron® processor N3350 (1.1 to 2.4 GHz, 2MB Cache, 6W), HDMI/LVDS, 2 GbE LANs and audio

<b>Optional</b>	
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

## 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.

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