

# PICO313

Pico-ITX SBC with Intel® Pentium® Processor N4200 & Celeron® Processor N3350, LVDS and GbE LAN

## Features

- Intel® Pentium® processor N4200 & Celeron® processor N3350
- 1 DDR3L SO-DIMM, up to 8GB
- 1 USB 2.0
- 2 PCI Express Mini Card slots



▲ Side view



### Core System

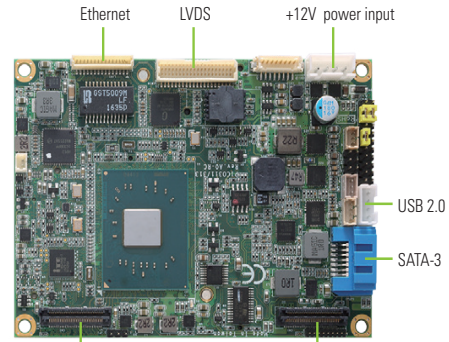
CPU	Intel® Pentium® processor N4200 & Celeron® processor N3350 onboard
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC Integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	65535 levels, 1 ~ 65535 sec.
Expansion Interface	1 x full-size PCI Express Mini Card slot with mSATA supported 1 x half-size PCI Express Mini Card slot 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio and 1 x SMBus (through expansion connector)
Battery Lithium	Lithium 3V/220mAH
Power Input	1 x 4 pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Pentium® N4200 @ 1.1 GHz 8GB DDR3L Max. RMS. +12V @ 1.6A Intel® Celeron® N3350 @ 1.1 GHz 8GB DDR3L Max. RMS. +12V @ 1.4A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +70°C (-4°F ~ +158°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

### I/O

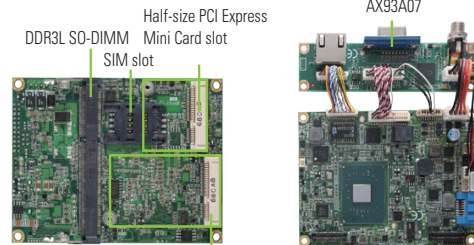
MIO	N/A
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	N/A
USB	1 x USB 2.0
SMBus/I <sup>2</sup> C	Yes, for advanced monitoring/control
Digital I/O	4 channels in/out programmable
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

### Display

Chipset	Intel® integrated Gfx graphic engine
Memory Size	Share system memory
Display Interface	1 x LVDS, 18/24-bit single/dual channel



4 x USB 3.0, 1 x PCIe x1, DDI  
HD audio, LPC, power on/off, reset, LED



▲ Rear view  
Full-size PCI Express Mini Card slot with mSATA supported  
▲ Assembly view

### Packing List

<b>Standard</b>	Quick installation guide, user's manual/utility CD and accessories
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Accessories		
Part Number	Description	Qty
8593A071010E	AX93A07 LVDS to VGA I/O board	1
59403208000E	SATA cable	1
594P880600E	SATA power cable	1
5078H313000E	Heatspreader	1
5078H100200E	Heatsink	1
594P8802810E	USB cable	1

### Ordering Information

Standard	
PICO313LG-N4200 (P/N: E38H313100)	Pico-ITX SBC with Intel® Pentium® processor N4200 (1.1 ~ 2.5 GHz, 2 MB Cache, 6W), LVDS, 1 GbE LAN and 1 USB 2.0
PICO313LG-N3350 (P/N: E38H313101)	Pico-ITX SBC with Intel® Celeron® processor N3350 (1.1 ~ 2.4 GHz, 2 MB Cache, 6W), LVDS, 1 GbE LAN and 1 USB 2.0

Optional	
AX93A00 (P/N: E393A00100)	I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x VGA, 1 x Audio
AX93A01 (P/N: E393A01100)	I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x HDMI, 1 x GbE LAN, 1 x Audio
AX93A02 (P/N: E393A02100)	I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x Audio
AX93A09 (P/N: E393A09100)	I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 2.0, 1 x Audio

\* All specifications and photos are subject to change without notice.



## 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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