

# PICO312

Pico-ITX SBC with Intel® Pentium® Processor N4200 & Celeron® Processor N3350, HDMI (VGA)/LVDS and GbE LAN

## Features

- Intel® Pentium® processor N4200 & Celeron® processor N3350
- 1 DDR3L SO-DIMM, up to 8GB
- 1 USB 2.0 and 1 Gigabit LAN
- PCI Express Mini Card slot with mSATA supported



### Core System

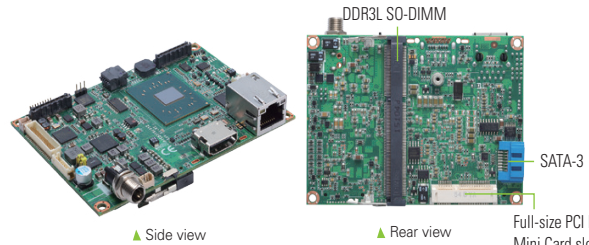
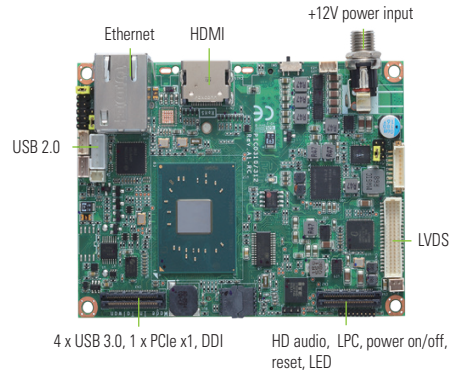
CPU	Intel® Pentium® processor N4200 & Celeron® processor N3350 onboard
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC Integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	65535 levels, 1 ~ 65535 sec.
Expansion Interface	1 x full-size PCI Express Mini Card slot with mSATA 1 x PCIe x1, 1 x LPC, 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	DC power jack connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Pentium® N4200 @ 1.1 GHz 8GB DDR3L Max. RMS. +12V @ 1.5A 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°C	Yes, for advanced monitoring/control
Digital I/O	N/A
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 1 x HDMI or 1 x VGA



### Packing List

<b>Standard</b>		
Quick installation guide, user's manual/utility CD and accessories		
<b>Accessories</b>		
Part Number	Description	Qty
59403208000E	SATA cable	1
5948P8800600E	SATA power cable	1
5078H313000E	Heatspreader	1
5078H100200E	Heatsink	1
594P8802810E	USB Cable	1

### Ordering Information

<b>Standard</b>	
PICO312HG-N3350 (P/N: E38H312100)	Pico-ITX SBC with Intel® Celeron® Processor N3350 (1.1 ~ 2.4 GHz, 2 MB Cache, 6W), HDMI/LVDS, 1 GbE LAN and 1 USB 2.0
PICO312VG-N3350 (P/N: E38H312101)	Pico-ITX SBC with Intel® Celeron® Processor N3350 (1.1 ~ 2.4 GHz, 2 MB Cache, 6W), VGA/LVDS, 1 GbE LAN and 1 USB 2.0
PICO312HG-N4200 (P/N: E38H312102)	Pico-ITX SBC with Intel® Pentium® Processor N4200 (1.1 ~ 2.5 GHz, 2 MB Cache, 6W), HDMI/LVDS, 1 GbE LAN and 1 USB 2.0
PICO312VG-N4200 (P/N: E38H312103)	Pico-ITX SBC with Intel® Pentium® Processor N4200 (1.1 ~ 2.5 GHz, 2 MB Cache, 6W), VGA/LVDS, 1 GbE LAN and 1 USB 2.0
<b>Optional</b>	
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

## 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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