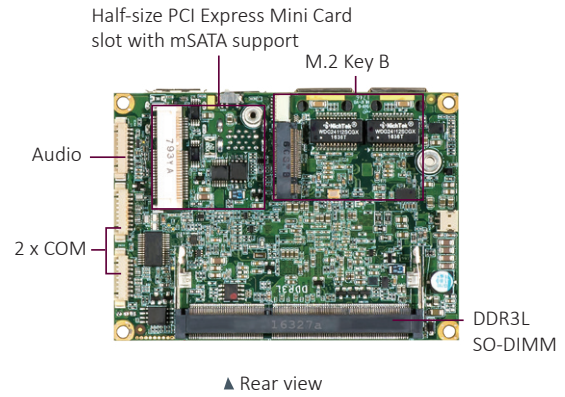
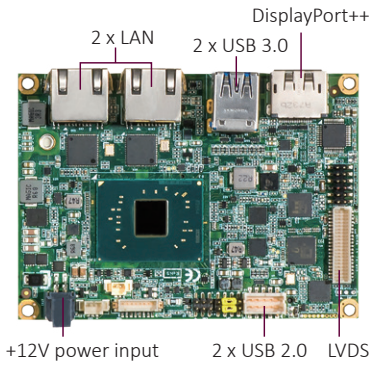


# PIC0318

Pico-ITX SBC with Intel® Pentium® Processor N4200/Celeron® Processor N3350, DisplayPort++, LVDS, 2 GbE LAN, and Audio



▲ Assembly view



▲ APC203



## Features

- Intel® Pentium® processor N4200/Celeron® processor N3350
- 1 DDR3L SO-DIMM for up to 8GB of memory
- 1 PCI Express Mini Card slot with mSATA supported
- 2 GbE LAN
- M.2 Key B

## Specifications

### Core System

CPU	Intel® Pentium® processor N4200 or 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 M.2 Key B 2242/3042 (SATA/USB 2.0/USB 3.0/PCIe x2 optional) 1 x mSATA (optional)
Watchdog Timer	65536 levels, 0 to 65535 sec.
Expansion Interface	1 x Half-size PCI Express Mini Card slot
Battery Lithium	Lithium 3V/220 mAh
Power Input	2 x 2-pin +12V DC-in connectors with AT auto power on
Power Requirements	Intel® Pentium® N4200 @ 1.1 GHz, min. RMS: +12V @1.3A Intel® Celeron® N3350 @ 1.1 GHz, min. RMS: +12V @1.1A

## Specifications

### Display

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

### I/O

SATA	N/A
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 x 10/100/1000 Mbps Ethernet with Intel® I210-AT supporting Wake-on-LAN, PXE Boot ROM
Audio	HD Codec audio as Mic-in/Line-in/Line-out with Realtek ALC888S
USB	2 x USB 2.0 2 x USB 3.0
Serial	1 x RS-232/422/485 1 x RS-232
TPM	N/A
SMBus	Yes; compatible with I <sup>2</sup> C
Digital I/O	4-channel in/out programmable

### Mechanical and Environmental

Dimensions	100 x 72 mm
Board Thickness	1.6 mm
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Humidity	10% to 95% relative humidity, non-condensing

## Packing List

### Accessories

591000014500	Power cable, L=100 mm
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## APC203, Industrial Chassis

SBC Option	PICO318PGGA-N3350 (P/N: E38H318102)
I/O	2 x GbE LAN 2 x USB 3.0 1 x DisplayPort++ 1 x 12V DC Jack
Dimensions (W x D x H with wall mount ear)	152.5 x 107.5 x 37.5 mm (6" x 4.23" x 1.48")
Operating Temperature	-10°C to +50°C (+14°F to +122°F)
APC203 (P/N: E27P203100)	APC203 with N3350, 8GB RAM, 64GB M.2 Key B card and 12V/60W adapter

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## Ordering Information

### Standard

PICO318PGGA-N4200 (P/N: E38H318101)	Pico-ITX SBC with Intel® Pentium® processor N4200 (1.1- 2.5 GHz, 2MB cache, 6W), DisplayPort++, LVDS, 2 GbE LAN, 2 USB 2.0, and 2 USB 3.0 (without heatsink)
PICO318PGGA-N3350 (P/N: E38H318100)	Pico-ITX SBC with Intel® Celeron® processor N3350 (1.1- 2.4 GHz, 2MB cache, 6W), DisplayPort++, LVDS, 2 GbE LAN, 2 USB 2.0, and 2 USB 3.0 (without heatsink)

### Optional

PICO318PGGA-N3350 60°C (P/N: E38H318102)	Pico-ITX SBC with Intel® Celeron® processor N3350 (1.1- 2.4 GHz, 2MB cache, 6W), DisplayPort++, LVDS, 2 GbE LAN, 2 USB 2.0, 2 USB 3.0, and heatsink
PICO318PGGA-N4200 60°C (P/N: E38H318103)	Pico-ITX SBC with Intel® Pentium® processor N4200 (1.1- 2.5 GHz, 2MB cache, 6W), DisplayPort++, LVDS, 2 GbE LAN, 2 USB 2.0, 2 USB 3.0, and heatsink
7128H318000E	Heatspreader
590000086600	DC power cable for adapter, L=180 mm
50966124050E	Adapter 12V 60W FSP060-DHAN3 with screw
59312260020E	Audio cable with bracket, P=1.25 mm, L=450 mm
59380880250E	COM port cable DB9-9 x 1-pin, P=1.25 mm, L=250 mm
594E8422800E	2 x USB 2.0 cable with bracket, L=180 mm
594H3186800E	Buzzer cable 9 x 5.5 mm 2-pin, L=40 mm
E393A19100	AX93A19 SIM card slot board

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