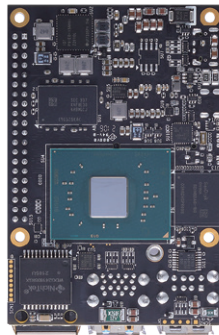
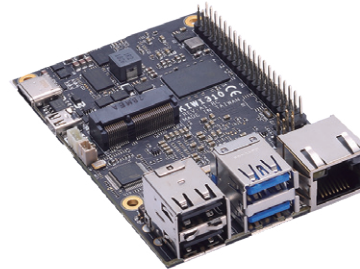
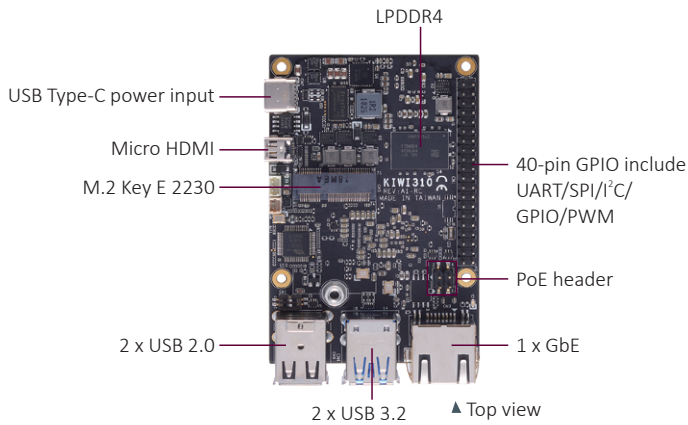


# KIWI310

1.8" SBC with Intel® Celeron® Processor N3350 or Pentium® Processor N4200, Micro HDMI, 1 GbE LAN, 2 USB 3.2, and 40-pin GPIO



Fanless



Low Power



LPDDR4



USB Type C



All Solid Caps



M.2

## Features

- Tiny 1.8-inch embedded board
- Intel® Celeron® processor N3350 or Pentium® processor N4200 onboard
- Onboard LPDDR4 for up to 4GB of memory
- 1 GbE LAN and 1 M.2 Key E
- Onboard eMMC, up to 64GB
- 40-pin GPIO
- Supports operating system: Linux, Android, and Windows



## Specifications

### Core System

CPU	Intel® Celeron® processor N3350 or Pentium® Processor N4200
System Memory	Onboard LPDDR4, up to 4GB
Chipset	SoC integrated
BIOS	AMI
Storage	eMMC, up to 64GB
Watchdog Timer	255 levels, 1 to 255 sec
Expansion Interface	1 x M.2 Key E 2230 (USB 2.0/PCIe) 40-pin GPIO including UART, I <sup>2</sup> C, SPI, GPIO, and Pulse-width Modulation (PWM)
Battery Lithium	Lithium 3V/220 mAh
Power Input	USB power delivery, supporting USB Type-C PD, 9V/3A, 12V/3A, 15V/3A, 20V/3A)
Power Requirements	Intel® Celeron® N3350 @ 1.1 GHz 4GB LPDDR4 USB Type-C power delivery: 9V/3A, 12V/3A, 15V/3A, 20V/3A

### Display

Chipset	Intel® integrated Gen9 graphics engine
Memory Size	Shared system memory
Display Interface	1 x Micro HDMI

### I/O

SATA	N/A
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 x 10/100/1000 Mbps Ethernet with Realtek RTL8111, supporting Wake-on-LAN and PXE Boot ROM
USB	2 x USB 2.0 2 x USB 3.2
TPM	N/A

### Mechanical and Environmental

Dimensions	85 x 56 mm
Board Thickness	1.6 mm
Operating Temperature	0°C to +60°C (+32°F to +140°F)
Relative Humidity	10% to 95% relative humidity, non-condensing

## Ordering Information

### Standard

KIWI310-J2C-H (P/N: E3D0310101)	1.8" SBC with Intel® Celeron® processor N3350, 4GB LPDDR4, 64GB eMMC, Micro HDMI, 1 GbE LAN, 2 USB 3.2, and 2 USB 2.0
APC208-4G-64G (P/N: E27P208101)	APC208 with Intel® Celeron® processor N3350, 4GB LPDDR4 & 64GB eMMC, and 65W PD adaptor

### Optional

509000000100	USB Type-C power delivery adaptor, FSP065-A1BR3
59902000030E	US power cord

\*Android support available upon request.



## APC208, Fanless Chassis

SBC	KIWI310-J2C-H (P/N: E3D0310101)
I/O	1 x GbE LAN 2 x USB 3.2 2 x USB 2.0 1 x micro HDMI 1 x USB Type-C PWR IN
Dimensions (W x D x H)	60 x 96 x 37 mm (2.36" x 3.78" x 1.46")
Operating Temperature	0°C to +40°C (+32°F to +104°F)
APC208	Fanless embedded chassis

## Packing List

1 x KIWI310  
1 x KIWI310 heatsink

## Block Diagram

