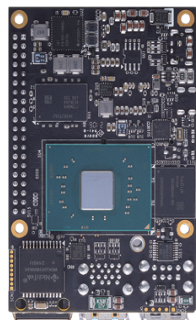
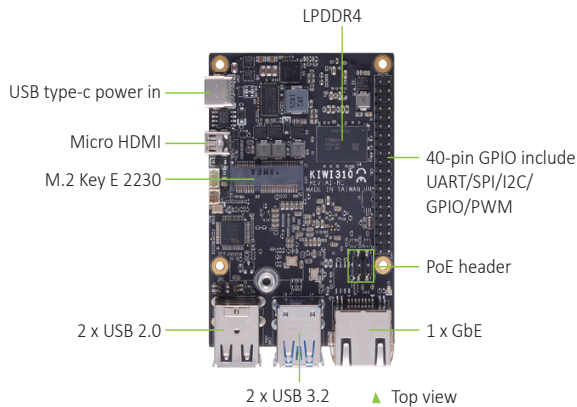
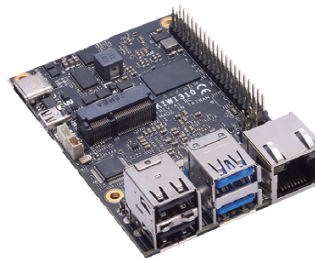


KIWI310

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



▲ Bottom view



▲ Side view



▲ APC208

Features

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



Specifications

Core System

CPU	Intel® Celeron® processor N3350
System Memory	On-board 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 (USB2.0, PCIe) in 2230 40-pin GPIO includes UART, I ² C, SPI, GPIO, PWM
Battery Lithium	Lithium 3V/220 mAh
Power Input	USB PD (supports 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 PD, 9V/3A, 12V/3A, 15V/3A, 20V/3A

Display

Chipset	Intel® integrated Gen9 graphic engine
Memory Size	Share 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; support Wake-on-LAN, PXE Boot ROM
USB	2 x USB 2.0 2 x USB 3.2
TPM	N/A

Mechanical and Environmental

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

APC208, Fanless Chassis

SBC Option	KIWI310-J1B-H (P/N: E3D0310100) KIWI310-J2C-H (P/N: E3D0310101)
I/O	1 x GbE 2 x USB 3.2 2 x USB 2.0 1 x micro HDMI 1 x USB Type C PWR in
Dimensions	60 (2.36") (W) * 96 (3.78") (D) * 37 (1.46) (H) mm
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

Ordering Information

Standard

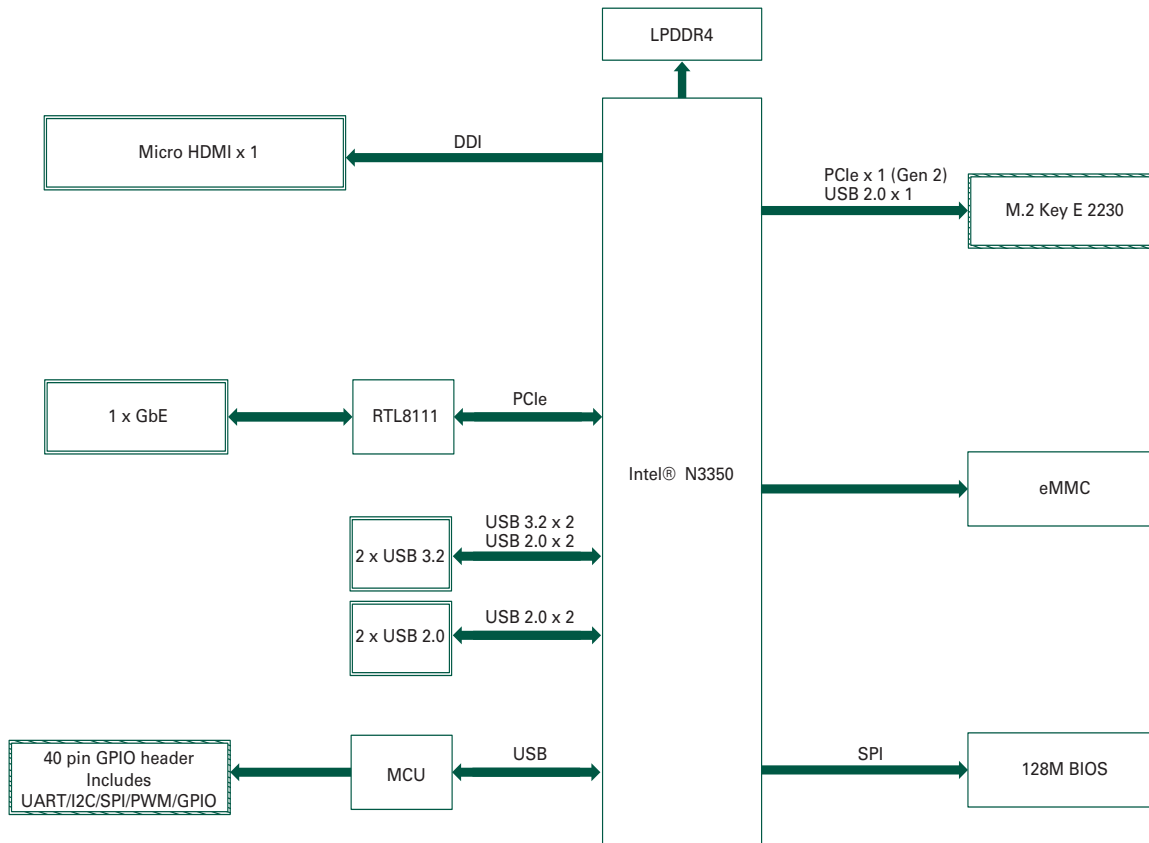
KIWI310-J1B-H (P/N: E3D0310100)	1.8" SBC with Intel® Celeron® processor N3350, 2GB LPDDR4 & 32GB eMMC, Micro HDMI, 1 GbE LAN, 2 USB 3.2, and 2 USB 2.0
KIWI310-J2C-H (P/N: E3D0310101)	1.8" SBC with Intel® Celeron® processor N3350, 4GB LPDDR4 & 64GB eMMC, Micro HDMI, 1 GbE LAN, 2 USB 3.2, and 2 USB 2.0

Optional

509000000100	USB type-c PD adaptor, FSP065-A1BR3
59902000030E	US Power cord

*Android supported by request.

Block Diagram



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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