



NI-Z8350UL

CHERRY TRAIL PICO-ITX SBC



Intel® Cherry Trail
Atom x5-Z8350 processor



1 x HDMI (2560 x 1600 @24 Hz)
1 x LVDS (1920 x 1200 @60 Hz)



Onboard Wi-Fi/BT module
Support 3G/4G module



Pico-ITX form-factor
100 mm x 72 mm (3.94" x 2.83")

CPU

CPU	Intel® Atom® x5-Z8350 processor
Frequency	1.92 GHz
Chipset	SoC
Processing Units	4 Cores
Scenario Design Power	2 W

System

GPU	Intel® HD Graphics 400
Graphic Engine	DirectX 11, OpenGL 4.0, OpenCL 1.2
System Memory	2 GB, Onboard DDR3L-1333 MHz
Storage	32 GB, Onboard eMMC5.1 1 x TF Card Reader
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Remo on	NA
Power Requirement	DC-IN, 12 V
Dimensions	100 mm x 72 mm (3.94" x 2.83")
Fanless	Yes
Operating System	Windows 8.1 (64bit) /Windows 10 (64bit) Linux Ubuntu (64bit) /Android 5.1
Operating Temperature	0°C ~60°C (32°F~140°F) @0.7m/s Air Flow
Humidity	95% @ 60°C (non-condensing)

Network

Network Controller	1 x Realtek RTL 8111H Gigabit Ethernet
Wi-Fi/BT	Onboard Wi-Fi/BT module
Mobile Network	1 x Full-size Mini-PCIe for Wi-Fi/BT 1 x SIM Slot

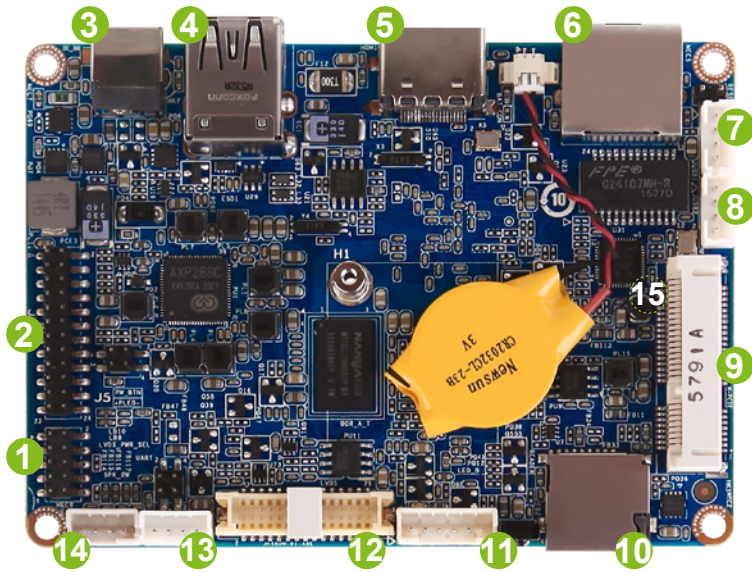
Rear I/O

USB	1 x USB3.2 Gen1, 1 x USB2.0
Display Interface	1 x HDMI (Max.2560 x 1600 @24 Hz)
Ethernet Interface	1 x RJ45

Internal I/O

USB	2 x USB2.0, signal by 2 x 4pin USB header
Display	1 x 30pin dual channel 24bit LVDS (Max. 1920 x 1200 @60 Hz)
Serial port	1 x UART, signal by 1 x 4pin UART header
Multiplexer	1 x 24pin MUX
Audio	1 x 10pin F_Audio, 1 x 4pin SPEAKER
Others	1 x 6pin INVERTER

Dimensions and Drawing



No.	Dimensions
1	F_AUDIO
2	MUX
3	DC-IN
4	2*USB Type-A
5	HDMI
6	RJ45
7	USB2.0
8	USB2.0
9	MINI-PCIE
10	TF CARD
11	INVERTER
12	LVDS
13	UART
14	SPEAKER
15	SIM SLOT

Order information

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CPU: Intel® Atom® x5-Z8350 processor

Memory: 2 GB, Onboard DDR3L-1333 MHz

Storage: 32 GB, Oboard eMMC5.1

Wi-Fi/BT: Onboard Wi-Fi/BT module

Optional

Operation System

Windows 10 (64bit)