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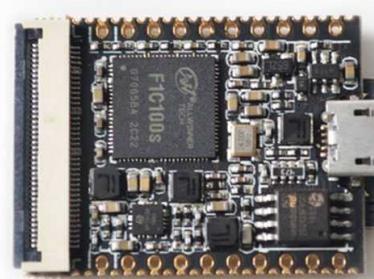


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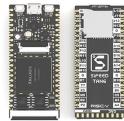
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## PRODUCT DETAILS

Item specifics

Brand Name: SZYTF

Demo Board Type: ARM

Model Number: Sipeed Lichee Nano with Flash

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### Product Description

Sipeed Lichee Nano with Flash Linux Development Dev. Board 16M Flash Version IOT Internet of Things

Sipeed Lichee Nano with Flash Linux Development Dev. Board 16M Flash Version IOT Internet of Things

Lichee Nano is a SD card sized Linux development board powered by the Allwinner F1C100s ARM9 processor.

Lichee Nano 22

CPU

-Allwinner F1C100s, ARM 926EJS processor, up to 900MHz

Memory and storage

-32MB DDR integrated into SoC, 16MB SPI Flash

- Onboard TF slot, can be booted from TF card,  
display

-40-pin RGB LCD FPC connector, supports 272×480, 480×800,  
1024×600

And other resolution resistive displays (and capacitive displays  
through the adapter board).

- Support 720P video output, support video stream decoding such as  
H.264 / MPEG

Communication Interface

-SDIO for WiFi module

-SPI x2, TWI x3, UART x3

-OTG USB x1, TV output

Other interface

-PWM x2, LRADC x1

- Headphone output x2, Mic x1

Lichee Nano Pin

### Electrical characteristics

- Input 5V through the micro USB port, input 3.3 to 5V through the  
pin

- Output - 3.3V, optional input RTC voltage

- Power consumption - 54mA (idle) when using Linux, 250mA with  
display

- Storage temperature: -40~125°C; Operation: -20 to 70°C

### Software and development environment

Support for 3.10 BSP linux,

Support 4.19 main line linux,

Support xboot bare metal development environment

Support RT-Thread

### Target application scenario:

IoT applications use more complex communication interfaces and  
protocols

The application of human-computer interaction interface requires

more beautiful and complex logic

Application scenarios that require more operations (as opposed to regular MCUs)

Need to use open source software under Linux for rapid development

High-end geek players balance in size, performance and ease of use.

Entry level player, software engineer, hardware diy using familiar language

Size and weight

Core board size is 25.4x33.0mm

Core board weight 4.2±0.2g

#### Precautions

Starting the Nano requires a card boot (or solder SPI flash), just plugging in the USB without any symptoms

System debugging serial port UART0, specific location reference pin diagram

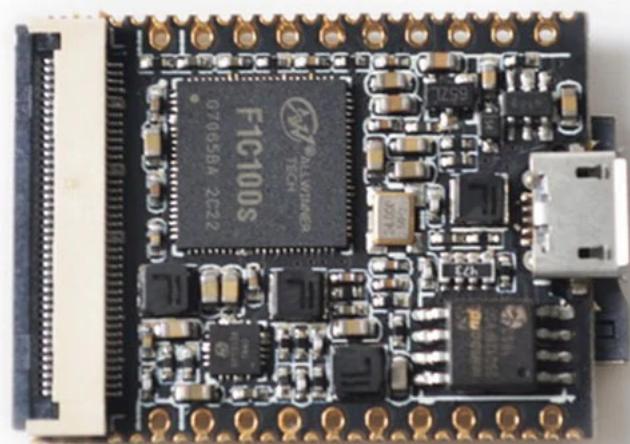
USB interface OTG usb, power and communication

Working temperature -20~70°C

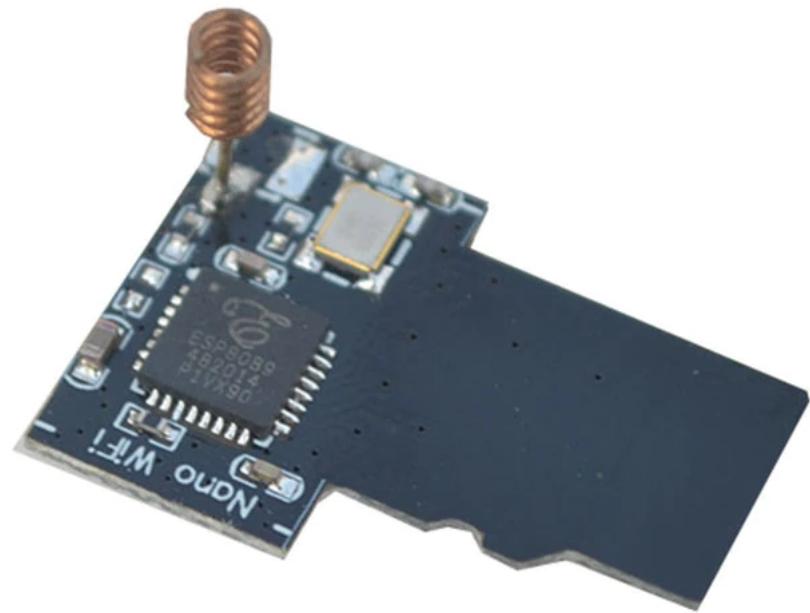
#### Package List

1 X Sipeed Lichee Nano with Flash Linux Development Dev. Board with Flash

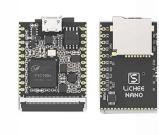
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