**Sipeed Lichee Nano Linux Development Board 16M Flash & Wi-Fi Version**

Lichee Nano is an SD Card Sized Linux Development Board Powered by Allwinner F1C100s ARM9 Processor

**Features**

* CPU

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

* Memory & storage

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

-Onboard TF Slot, can be boot from TF Card,

* Display

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

and other resolutions resistive displays (and capacitive displays trough 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 out

* Other interface

-PWM x2, LRADC x1

-Headphone output x2, Mic x1

**Applications**

* IoT applications using more complex communication interfaces and protocols
* The application of human-computer interaction interface that needs more beautiful and complex logic
* Application scenarios that require more operations (as opposed to common MCUs)
* Need to use open source software under Linux for rapid development scenarios
* High-end geek players balance in size, performance and ease of use.
* Entry level player, software engineer, hardware diy using familiar language

**Key Search Terms**

Sipeed, Lichee, Lichee Nano, Linux Development Board, Linux Development Board, Xboot, RT-Thread, IoT

**Parts Lists**

* Sipeed Lichee Nano Linux Development Board 16M Flash x 1
* Wi-Fi Module x 1
* OTG converter x 1