

STM32F746G-DISCO

開發板 STM32F7 Microcontroller Discovery Board

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產品說明

STM32F746G-DISCO(32F746GDISCOVERY)是 ST 公司推出的一款針對 STM32F7 系列設計的開發板。可幫助您快速探索 ARM®Cortex®-M7，並輕鬆開發自己的應用。

基於 STM32F746NGH6 設計，板載 ST-Link/V2-1 仿真下載器（對外僅提供 SWD 接口），免除您另外購買仿真器或下載器的麻煩。並且具備 Arduino 接口，可接入 Arduino 巨大生態系統中的各種擴展板（Shield），讓您能夠輕鬆快速增加特殊功能。

STM32F746G-DISCO 由於其在音視頻處理，多傳感器支持，圖形化，安全性和高速通信等方面的優良特性，使它的應用範圍非常廣泛，諸如音視頻錄像機，家庭防盜報警，人機界面等等。

產品特點

STM32F746NGH6 microcontroller featuring 1 Kbytes of Flash memory and 340 Kbytes of RAM, in BGA216 package

On-board ST-LINK/V2-1 supporting USB re-enumeration capability

Mbed-enabled (mbed.org)

USB functions: virtual COM port, mass storage, debug port

4.3-inch 480x272 color LCD-TFT with capacitive touch screen

Camera connector

SAI audio codec

Audio line in and line out jack

Stereo speaker outputs

Two ST MEMS microphones

SPDIF RCA input connector

Two pushbuttons (user and reset)

128-Mbit Quad-SPI Flash memory

128-Mbit SDRAM (64 Mbits accessible)

Connector for microSD card

RF-EEPROM daughterboard connector

USB OTG HS with Micro-AB connectors

USB OTG FS with Micro-AB connectors

Ethernet connector compliant with IEEE-802.3-2002

Five power supply options:

ST LINK/V2-1

USB FS connector

USB HS connector

VIN from Arduino connector

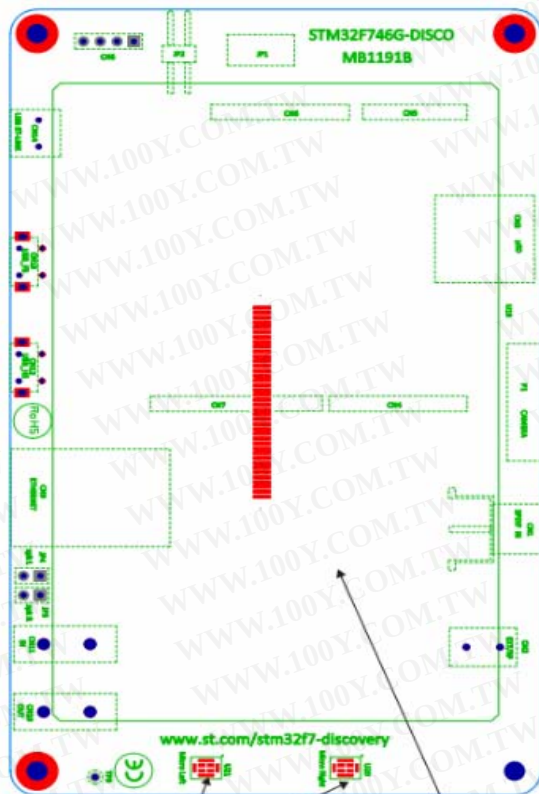
External 5 V from connector

Power supply output for external applications: 3.3 V or 5 V

Arduino Uno V3 connectors

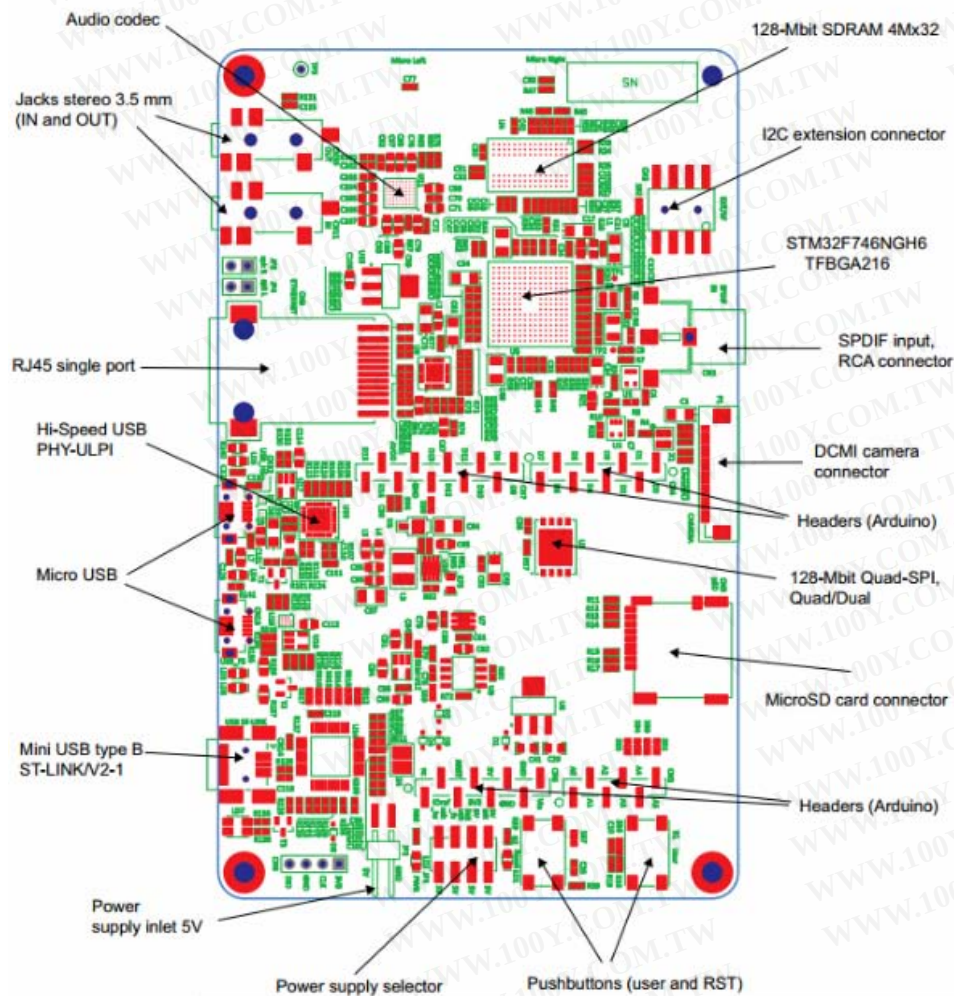
Comprehensive free software including a variety of examples, part of STM32Cube package

Supported by a wide choice of integrated development environments



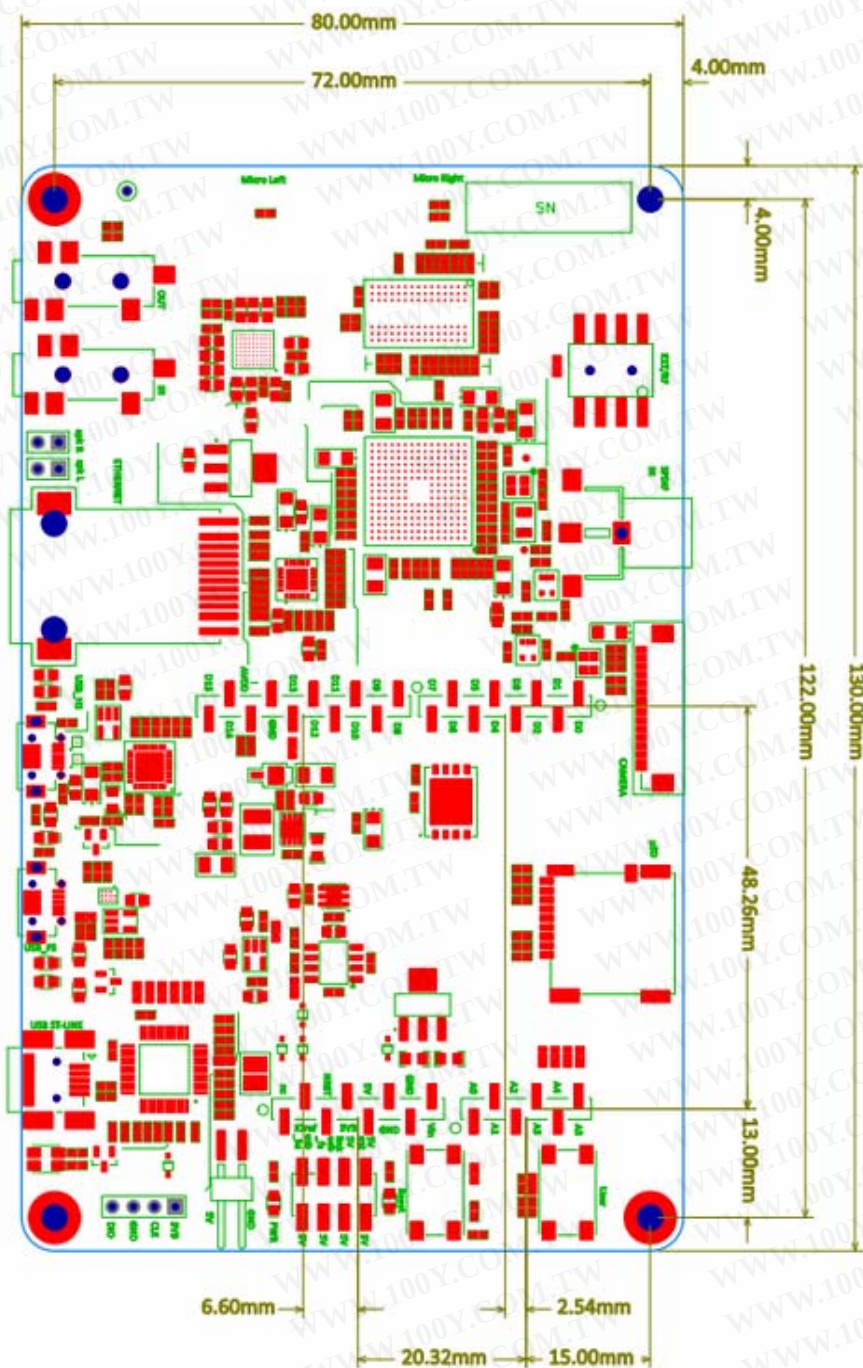
Two ST MEMS microphones

4.3-inch 480x272 color LCD-TFT with capacitive touch screen



需進入ST官網下載：

外形尺寸



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