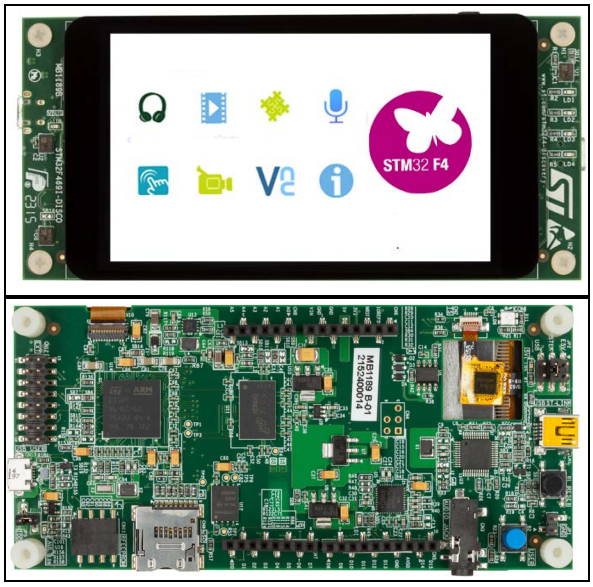
32F469IDISCOVERY

Discovery kit with STM32F469NI MCU

Data brief

Features

- STM32F469NIH6 microcontroller featuring 2 Mbytes of Flash memory and 324 Kbytes of RAM in BGA216 package
- On-board ST-LINK/V2-1 SWD debugger, supporting USB reenumeration capability:
  - Mbed-enabled (mbed.org)
  - USB functions: USB virtual COM port, mass storage, debug port
- 4 inches 800x480 pixel TFT color LCD with MIPI DSI interface and capacitive touch screen
- SAI Audio DAC, with a stereo headphone output jack
- 3 MEMS microphones
- MicroSD card connector
- I2C extension connector
- 4Mx32bit SDRAM
- 128-Mbit Quad-SPI NOR Flash
- Reset and wake-up buttons
- 4 color user LEDs
- USB OTG FS with Micro-AB connector
- Three power supply options:
  - ST-LINK/V2-1 USB connector
  - User USB FS connector
  - VIN from Arduino™ compatible connectors
- Expansion connectors and 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



1. Pictures not contractual

Description

The STM32F469 Discovery kit (32F469IDISCOVERY) allows users to easily develop applications with the STM32F469 high-performance MCUs with ARM® Cortex®-M4 core and Chrom-ART Accelerator™. The discovery kit enables a wide range of use cases taking advantage of premium graphics, audio, multi-sensor support, WVGA color display, security, memory extension and connectivity features. An embedded ST-LINK/V2-1 debugger/programmer is included; specialized add-on boards can be connected thanks to the Arduino™ UNO or to the expansion connectors.

For further information contact your local STMicroelectronics sales office. www.st.com

1 System requirements

- Windows® OS (XP, 7, 8)
- USB type A to Mini-B cable

2 Development toolchains

- IAR EWARM (IAR Embedded Workbench®)
- Keil® MDK-ARM™
- GCC-based IDEs (free AC6: SW4STM32, Atollic® TrueSTUDIO®,...)
- ARM® mbed™ online

3 Demonstration software

The demonstration software is preloaded in the STM32F469NIH6 Flash memory and in the MICRON N25Q128A NOR Flash memory. The latest version of the demonstration source code and associated documentation can be downloaded from www.st.com/stm32f4discovery.

4 Ordering information

To order the Discovery kit based on the STM32F469NI MCU, use the order code: STM32F469I-DISCO.

5 Technology partner

MICRON:

- 128-Mbit SDRAM, part number MT48LC4M32B2
- 128-Mbit Quad-SPI NOR Flash memory device, part number N25Q128A

6 Revision history

Table 1. Revision history

Date	Revision	Changes
11-Sep-2015	1	Initial release

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