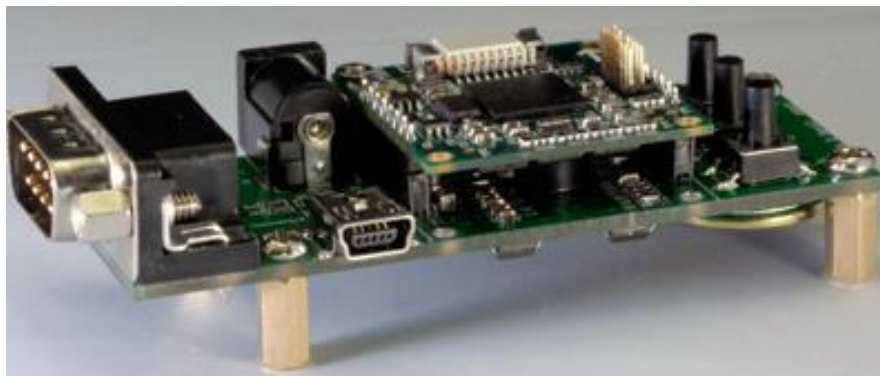


Spoločnosť Texas Instruments Incorporated predstavila vývojový kit - **C5515 Fingerprint Development Kit**, určený na snímání otlačku prsta a pre jednoduchšie aplikovanie tejto vlastnosti do Vašich zariadení.

Vývojový kit poskytuje rýchly a presný odtlačok s využitím DSP jadra, vykonávajúcim náročné funkcie v algoritme rozpoznávania otlačku ako sú filtrovanie, triedenie a transformácie.

Jadrom kitu je 16-bitový DSP procesor [TMS320C5515](#) poskytujúci optimálny výkon pri aktívnej minimálnej spotrebe iba 0.15 mW/MHz.



Kit obsahuje

- One core board based on TI's new low power C5515 DSP
- One extension board includes USB 2/0 and RS232 ports
- One Toon optical sensor
- One Authentic swipe sensor
- A-mini B USB cable for power supply
- Mini converter board for JTAG emulation
- A mini DVD contains:
 - Code Composer Studio™ IDE Rev. 3.3
 - Simplified fingerprint application source code and API documentation
 - Production quality demo code .out file
 - C5515 Datasheet and CSL
 - Technical documentations, including user guide, application notes, set up instructions, schematics, BOM, gerber
- The very small form factor solution (the core board is only 30mm by 30mm, the extension board is 70mm by 30mm) meets portable application requirements

Vlastnosti

- The C5515 Fingerprint Development Kit uses industry's lowest power 16-bit fixed point DSP to help conserve energy at exceptional levels and enable longer batter life.
- The kit has very small form factors. The core board is 30mmx30mm to handle fingerprint image acquisition, pre-processing, feature extraction and matching functionalities. The extension board is 70mmx30mm to provide power, communication scheme and user interfaces. LED, sound indication and push buttons are provided for user interaction. The core board will be

plugged into the extension board and work with sensors.

- Efficient fingerprint matching algorithm and optimized code to achieve short matching time and high accuracy.
- C5515 has 320KB large on-chip memory and high speed USB2.0 integration, which reduces system cost and extends the fingerprint features to new application areas, like USB smart key
- JTAG emulation through mini converter board included in the kit
- Communication through RS232 interface, and high speed USB2.0 slave port
- Cost effective and high quality

Špecifikácia

- Matching Method: 1:1 and 1:N
- 1:1 Matching Speed: less than 1s
- Template Size per Fingerprint: 256 bytes
- Template Storage Capacity: 50-800 Prints
- Fingerprint Sensor Resolution: Adapt to 300-500 DPI
- FAR: <0.0015%
- FRR: <1%
- Power Requirement: DC 5V / 100mA (not including sensor)
- Communication Interfaces: UART 1200-115200bps; USB2.0 full and high speed
- Operating Temperature: -20°C~70°C
- Board Size: Core board: 30mmx30mm; Extension board: 70mmx30mm

Cena

C5515 Fingerprint Development Kit (TMDXBDKFP5515) 79,- USD

Odkazy

[C5515 Fingerprint Development Kit Homepage](#)

Distribúcia

[viď. Adresár](#)