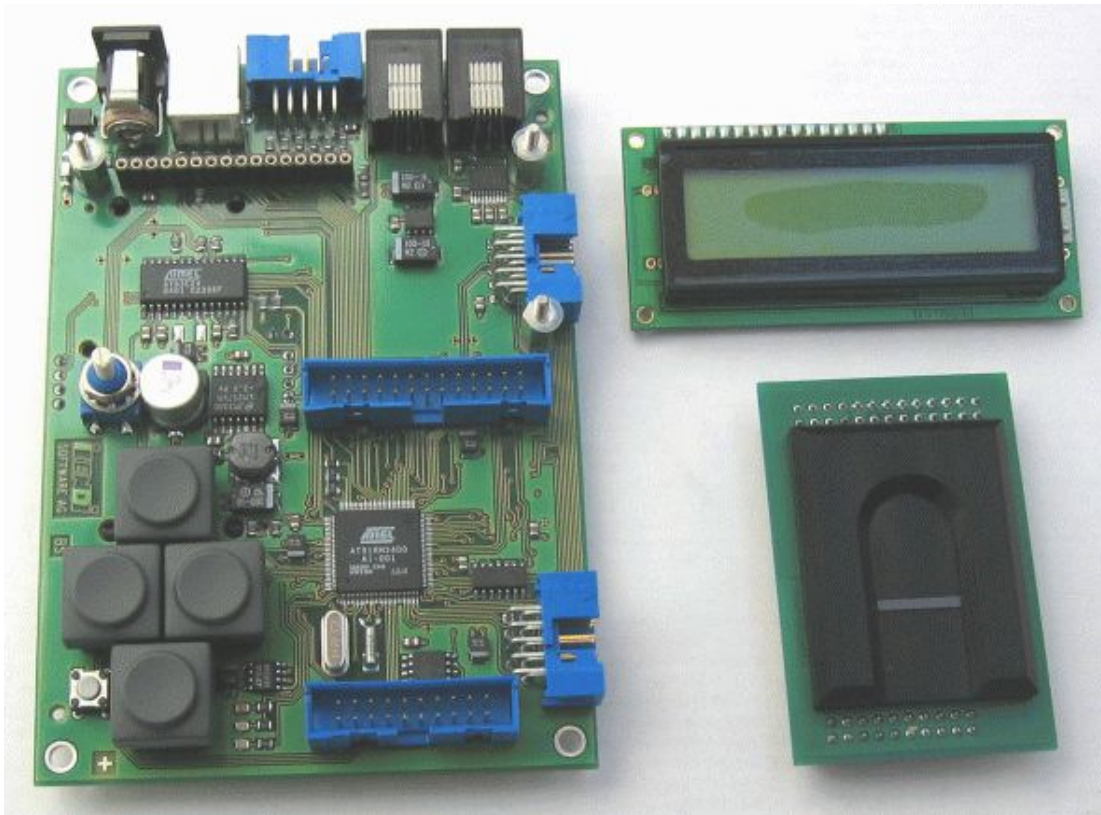


IKDEVKIT3: Embedded Fingerprint Development Kit using Atmel AT91RM3400



IKENDI makes it easy to implement a complete embedded fingerprint enhanced application on a single microcontroller.

The IKDEVKIT3 is based on the new Atmel AT91RM3400 ARM7 controller. The RM3400 provides a 66 MHz ARM7 core, 256 kB ROM, 96 kB SRAM and a broad range of peripherals including SPI and USB interfaces on a single die. (Part of the IKENDI fingerprint algorithm is stored in the ROM mask).

It is the ideal platform for biometric chip card readers, security tokens, USB memory sticks, keyboards and fingerprint transponders and due to its low power consumption the best choice for battery powered applications.

The cross-development toolchain (compiler, assembler, debugger) is included in the IKDEVKIT3, together with a 1-day workshop at IKENDI.

50 fingerprint licenses are included to cover the pilot series of your fingerprint enhanced product.

License contract is mandatory.

Basic Software Features

Memory footprint ca. 40 kB RAM

Code Size ca. 100 kB
 Template Size ca. 200 - 700 Byte
 Encoding time ca. 700–900 ms
 Matching time ca. 15–50 ms

Hardware Interfaces

2 UARTs, SPI, I2C, USB, Smart Card reader, JTAG

Requirements

Standard PC with Win2000/XP or Linux, 600 MB free disk space and 256 MB RAM.

Abatron's BDI-2000 JTAG Debugger

Deliveries

- power supply, serial cables, JTAG cable for BDI
- IKDEVKIT3 board with IKSEN-ATM02 sensor plug-on board (ATMEL AT77C104B)
- CDROM with documentation, development environment and demo programs in source code.
- 1 day hands-on training
- IKSUPP3: 3 months IKENDI support

Supported Fingerprint Sensor

Atmel FingerChip AT77C104B