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FST-01 with White Enclosure

FST-01: a compact USB 32-bit computer with white enclosure for Gnuk cryptographic token and NeuG random number generation.

SKU	UPDATED	PRICE
102990007	2024-08-09 02:11:40	$37.00(Excl. VAT)



Overview



The FST-01 with White Enclosure is a tiny USB 32-bit computer featuring a minimalist design, intended as a cryptographic token (Gnuk) and true random number generator (NeuG). It is based on a 32-bit ARM Cortex-M3 MCU at 72MHz with 128KB flash, 20KB RAM, 4MB SPI flash, and includes an SWD port and two I/O pins, all in a user-assembled white case.

Key Features

FST-01 is a tiny USB 32-bit computer, an abbreviation of “Flying Stone Tiny ZERO-ONE”. “Minimalist Design” is the goal chased during the development. All unnecessary things were cut to make it concise and tidy. Two applications are intended for FST-01. They are Gnuk(the Cryptographic Token for GnuPG) and NeuG(True Random Number Generator based on ADC noise).

The board comes with the case. Note that it is users who put the board to the case.
This would be better if transparent tube doesn't match your taste or you want to change the content of flash ROM of MCU.

Although FST-01 PCB is designed following the recommendation of P1A-120704U specification, the case might be a bit larger and you will need a bit of glue to fit the board and the case. Otherwise, the board will be able to move a bit (< 1mm or so).

Features

- Dimensions: 1.62 x 0.52 inch (including USB plug)
- USB Bus Powered
- MCU: 32-bit ARM Cortex M3 at 72MHz (STM32F103TBU6), flash ROM: 128KB, RAM: 20KB
- SPI Flash Memory: 4MB
- SWD port, Two I/O pins
- Content of Flash ROM of MCU: As a side effect of test plan, FST-01 comes with Gnuk version 1.0.1 installed on the flash ROM of MCU and it is protected. You need to disable the protection before writing the flash ROM.

Please visit **this page** for detail.

Here is "written offer" from the manufacturer, Flying Stone Technology, about the source code of software.

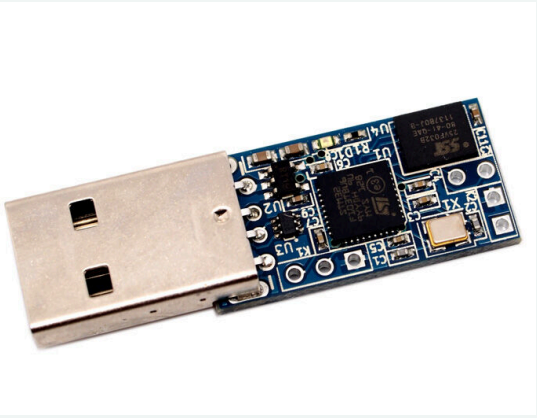
In FST-01, it contains copyrighted software, Gnuk version 1.0.1, that is licensed under the GPLv3. A copy of that license is available
at: **http://www.seeedstudio.com/wiki/GPLv3**

You may obtain the complete Corresponding Source code from us for a period of three years after the last shipment of this product, which will be no earlier than 2015-10-01, on our website at**http://www.gniibe.org/gitweb?p=gnuk.git** and we put the tag "release/1.0.1" for the version we use. Note that Gnuk binary in the first lot of FST-01 was compiled with "-O3 -Os" option by GCC ARM Embedded 4.6-2012-q2.

Since **www.gniibe.org** is serviced from a home server, it might not be stable, the IP address is not static and it is possible to change.
So, I have a copy of our repository at:**https://gitorious.org/gnuk**

If you encounter any problems when using this product, here is the contact from which you can get the technical support.

Product Gallery





Compliance & Logistics

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Resource Links

- https://www.seeedstudio.com/FST-01-with-White-Enclosure-p-1279.html

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