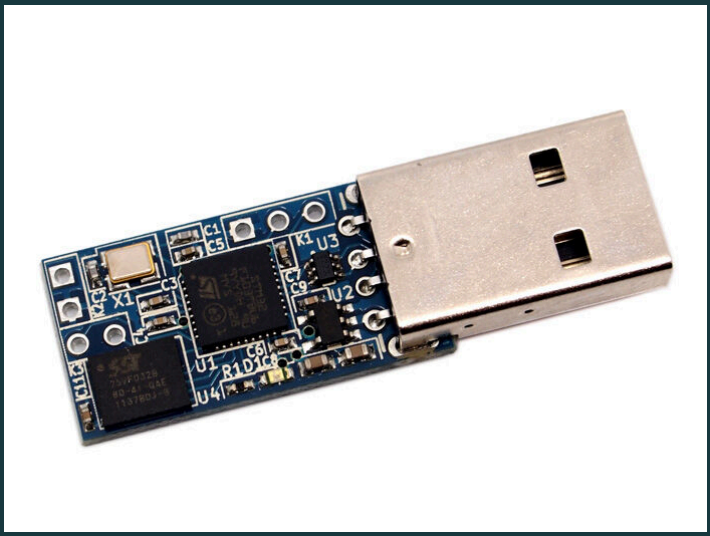
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INDUSTRIAL PRODUCT DATASHEET

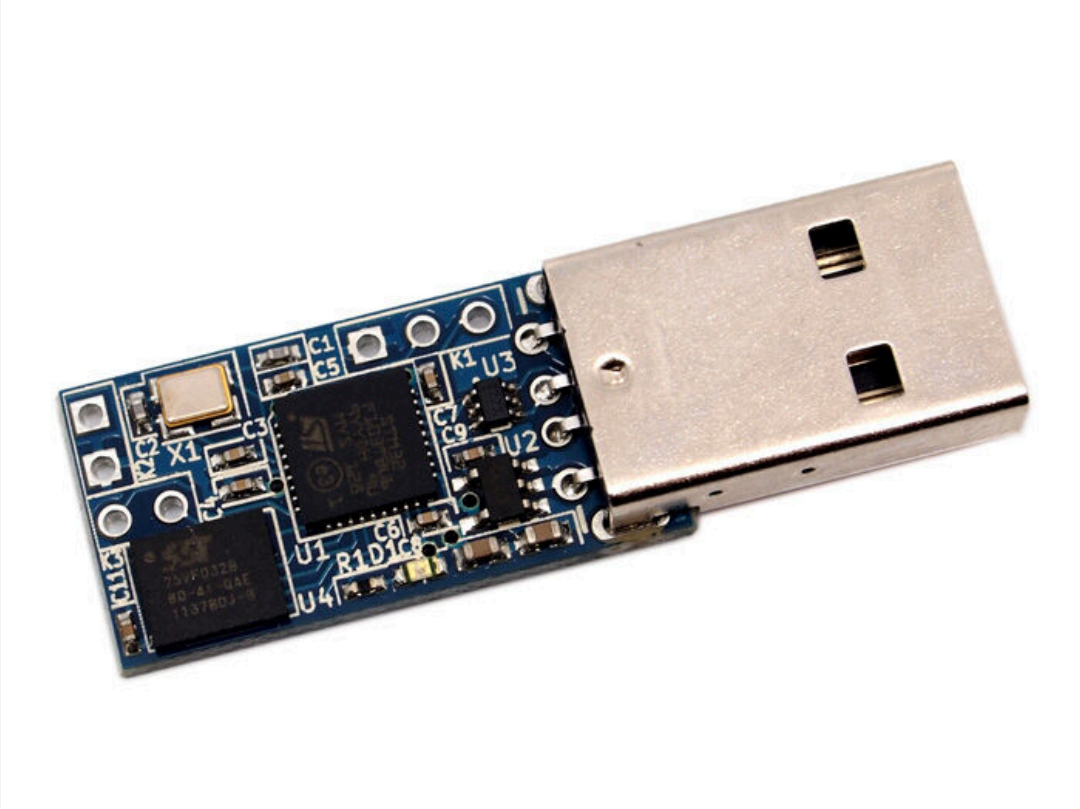
FST-01 without Enclosure

FST-01 without Enclosure: a tiny USB 32-bit computer for Gnuk/NeuG, featuring STM32F103TBU6, 4MB SPI flash, and SWD access.

SKU	UPDATED	PRICE
102990031	2024-08-09 02:11:40	$21.00(Excl. VAT)



Overview



FST-01 is a tiny USB 32-bit computer designed with a minimalist approach, intended for use as a cryptographic token (Gnuk) or true random number generator (NeuG). This bare board includes an STM32F103TBU6 MCU with 128KB flash, 20KB RAM, 4MB SPI flash, SWD port, and two I/O pins, and comes with Gnuk 1.0.1 pre-installed but protected.

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).

This is a bare board for evaluation, development or those who want their own enclosures.
You can access SWD port and change the content of flash ROM.

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.

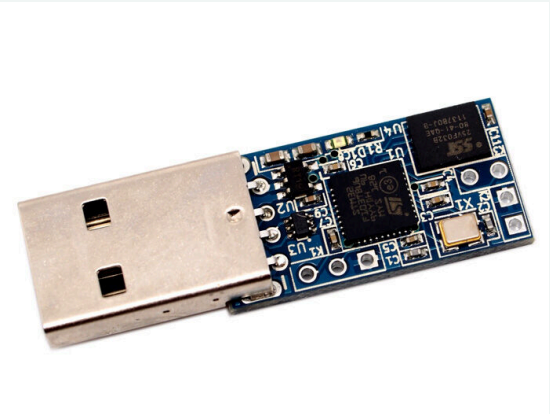
In FST-01, it contains copyrighted software, Gnuk version 1.0.1, that is licensed under the GPLv3. A copy of that license is available
at: **http://www.seeedstudio.com/wiki/GPLv3**

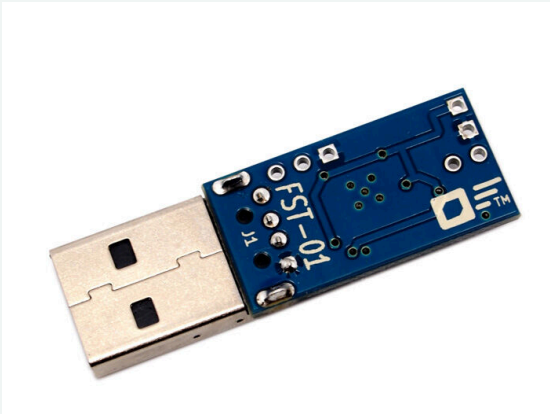
You may obtain the complete Corresponding Source code from us for a period of three years after the last shipment of this product, which will be no earlier than 2015-10-01, on our website at**http://www.gniibe.org/gitweb?p=gnuk.git** and we put the tag "release/1.0.1" for the version we use. Note that 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

HSCODE	8543709990

Resource Links

- https://www.seeedstudio.com/FST-01-without-Enclosure-p-1276.html

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