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NuMicro® 8051
N76S003 Series

A Leading MCU Platform Provider

www.nuvoton.com

Features

System

- 1T 8051 core
- Up to 16 MHz high-speed internal oscillator (HIRC).
- 18 KB Flash
- 128-bytes security protection memory SPROM
- 1KB XRAM +256B RAM
- EFT 4.4 kV, ESD HBM 7 kV

Peripherals

- 2 sets UART
- 1 set I2C
- 1 set SPI
- 4 sets 16-bit Timer
- 6 channels 16-bit PWM with dead-zone control
- Watchdog timer
- Wakeup timer

Analog

- 8 channels 12-bit ADC (500ksps)
- Built-in band-gap reference voltage with precisely measured value, internally connected to an ADC input to monitor operating supply voltage (VDD) with ±1 % precision within all temperatures.

Consistency with N76E003

Pin to Pin Compatible

TSSOP20 / QFN20 package

Code to Code Compatible

NO code recompilation is required

All Nuvoton Tools Suppoting

Update to the latest version

Laboratory and customer application systems undergo testing, and the direct replacement works flawlessly.

Enhance The Functionality

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Lower Power Consumption

Under 2mA @normal mode

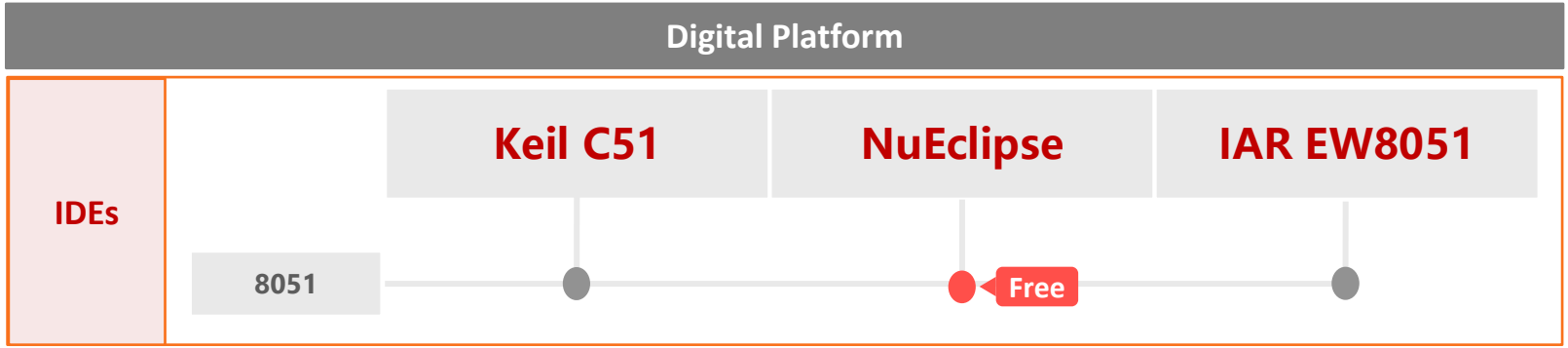
New Encryption Protection Function

SPROM Flash for security code

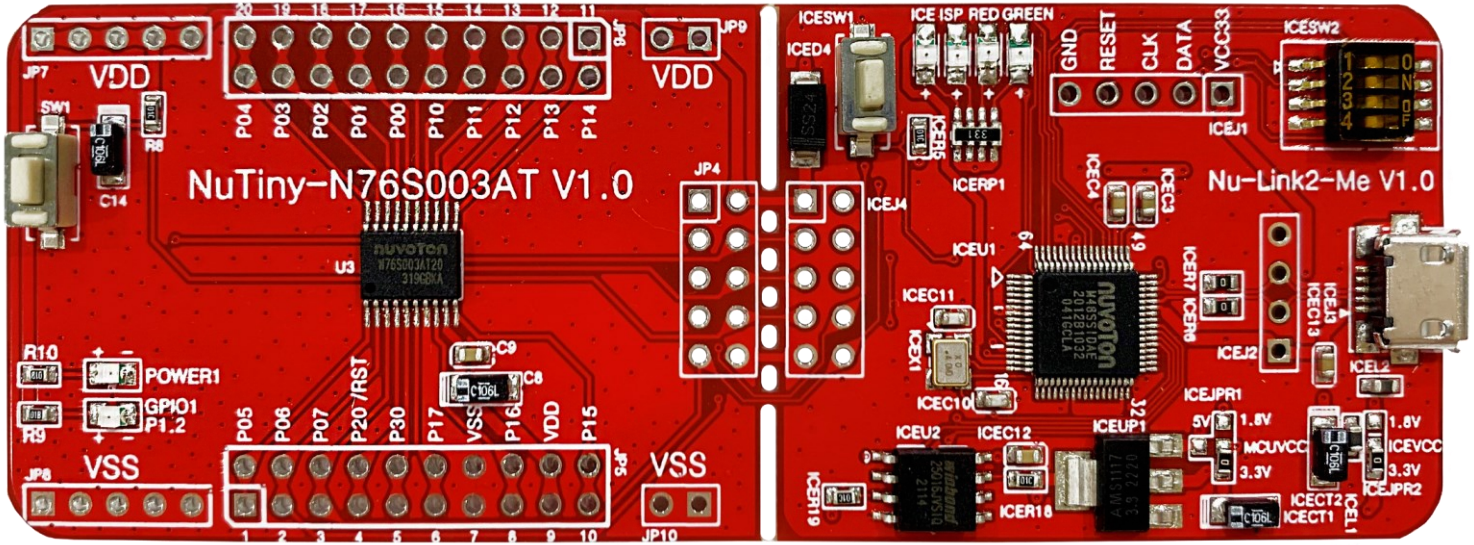
Increased SRAM

XRAM area extended to 1KB

IDEs & BSP



HW	**Hardware: Nu-Link Series** debug directly on the product or Application System
SW	**Software Package : BSP** https://github.com/OpenNuvoton/N76S003_BSP



Order No. NT-N76S003AT

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Q & A

https://www.nuvoton.com/support/technical-support/form/

Contact us if any question