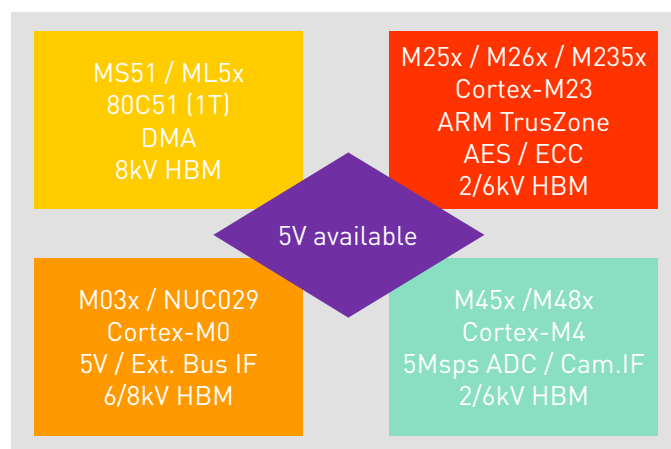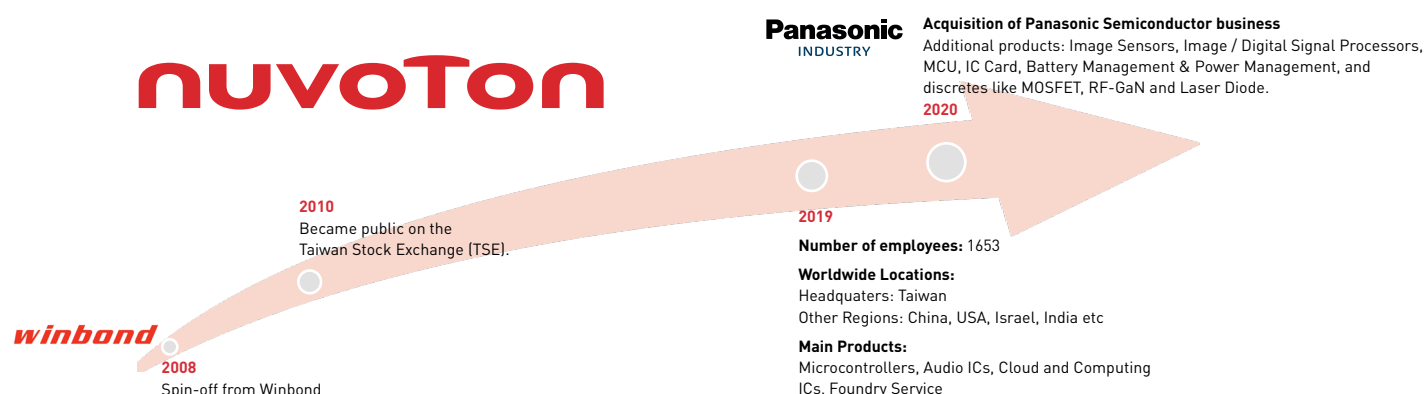# Nuvoton Technology Company Overview

Nuvoton Technology Corporation (NTC) was founded to bring innovative semiconductor solutions to the market. NTC was spun-off as a Winbond Electronics affiliate in July 2008 and went public in September 2010 on the Taiwan Stock Exchange (TSE). Nuvoton Technology focuses on the developments of microcontrollers, microprocessors, smart home and cloud security solutions and has strong market share in Industrial, Consumer and Computer markets. Nuvoton Technology achieved sales of 730 million USD in 2020 and since 2018, have been the number 1 microcontroller supplier in Asia, and number 10 globally.

Nuvoton Technology owns a wafer fabrication facility, featuring customized processes for analog and power products and as well as in-house IC products; it also provides part of its capacity for foundry services. They provide products with a high performance/cost ratio for its customers by leveraging flexible technology, advanced design capability, and integration of digital and analog technologies.

Nuvoton Technology shows its strength in innovation by following its vision:

Be a hidden champion in providing sustainable semiconductors to enrich human life.

NUVOTON

Panasonic INDUSTRY

Acquisition of Panasonic Semiconductor business
Additional products: Image Sensors, Image / Digital Signal Processors, MCU, IC Card, Battery Management & Power Management, and discretes like MOSFET, RF-GaN and Laser Diode.
2020

2010
Became public on the Taiwan Stock Exchange (TSE).

2019

Number of employees: 1653

Worldwide Locations:
Headquaters: Taiwan
Other Regions: China, USA, Israel, India etc

Main Products:
Microcontrollers, Audio ICs, Cloud and Computing ICs, Foundry Service

winbond
2008
Spin-off from Winbond

MS51 / ML5x
80C51 (1T)
DMA
8kV HBM

M25x / M26x / M235x
Cortex-M23
ARM TrusZone
AES / ECC
2/6kV HBM

5V available

M03x / NUC029
Cortex-M0
5V / Ext. Bus IF
6/8kV HBM

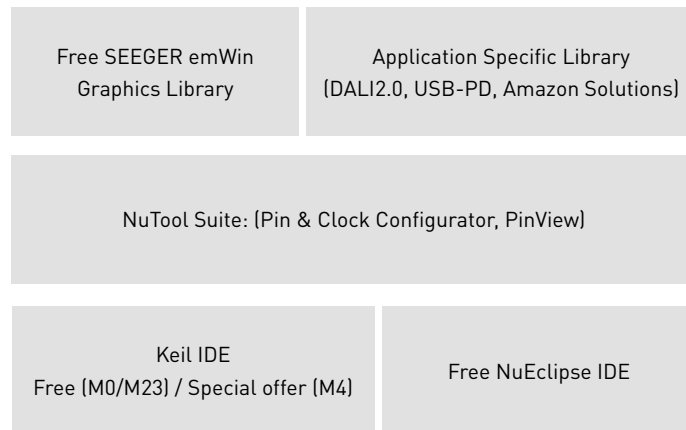M45x /M48x
Cortex-M4
5Msps ADC / Cam.IF
2/6kV HBM

Offering a wide range of products in their portfolio and with an integrated ecosystem and long-standing history of design expertise, Nuvoton Technology are continually developing new, cost-effective, and innovative microcontroller designs based on the Cortex-M and 8051 architectures. In addition, they offer dedicated solutions for the complete audio signal chain, computer applications and more.

In building this broad portfolio, the engineers had an eye on scalability from 8-bit to M0/M23 and M4 families through high pinout compatibility.
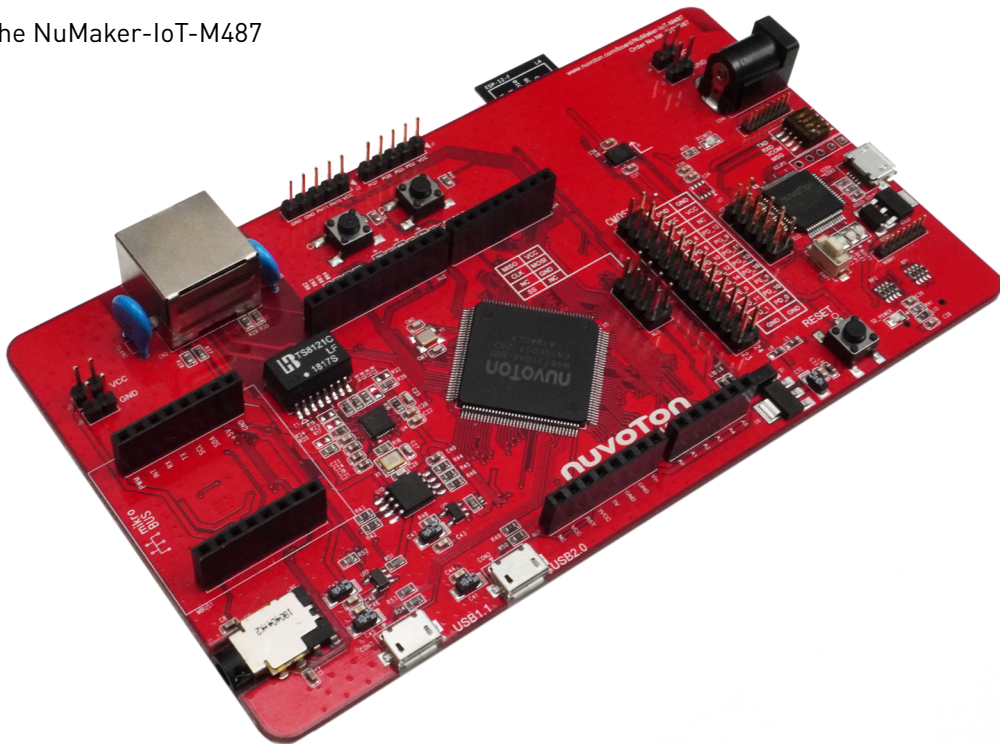
In 2020, through the acquisition of Panasonic Semiconductor, the portfolio was expanded with interesting products such as Image Sensors, Image / Digital Signal Processors, MCU, IC Card, Battery Management & Power Management, and discretes like MOSFET, RF-GaN and Laser Diode.

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Design-in Expertise and Service

140668C

◆ **IDEs** (Keil IDE / NuEclipse / IAR)

◆ Board Support Packages (CMSIS based for **Cortex-M derivates**)

◆ **NuTool Suite** for easy pin and clock configuration

◆ application specific library support (e.g. **GUI graphics**)

◆ Ineltek's growing **knowledge base**

Free SEEGER emWin Graphics Library	Application Specific Library (DALI2.0, USB-PD, Amazon Solutions)
NuTool Suite: (Pin & Clock Configurator, PinView)	
Keil IDE Free (M0/M23) / Special offer (M4)	Free NuEclipse IDE

To get started, check out Nuvoton's cost efficient entry level development tools and dedicated application focused tools (GUI/ Audio/IoT/Connectivity).

For example the the NuMaker-IoT-M487

In cooperation with Nuvoton Technology, we can offer extensive design-in support, so get in touch today to see how we can help with your next design.

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