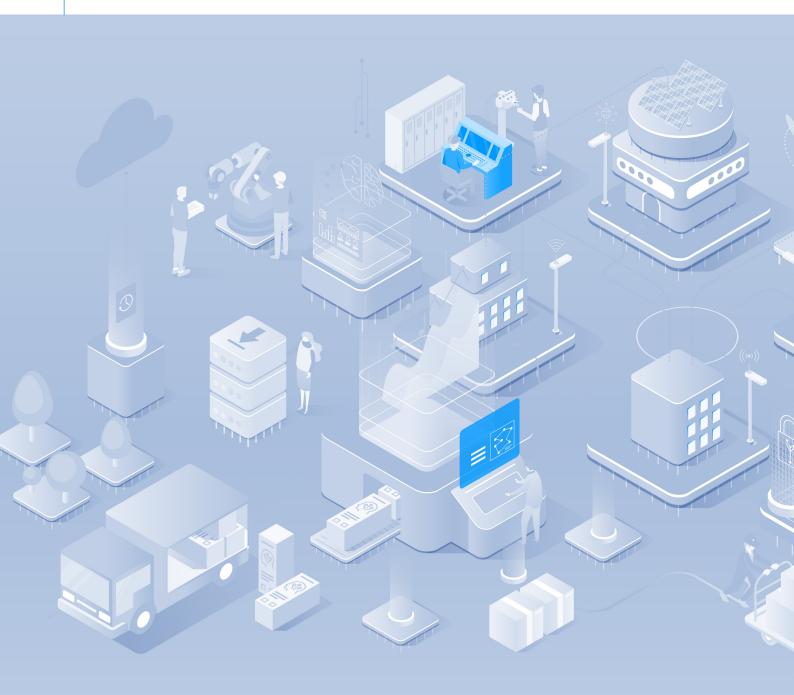




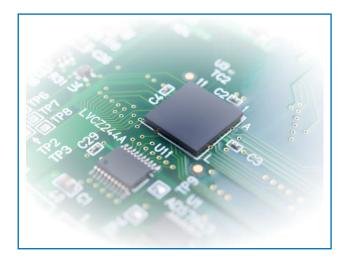
"

Bring innovative solutions to the semiconductor industry

nuvoTon



Nuvoton & Alcom



Nuvoton focuses on the developments of microcontroller, microprocessor, smart home, cloud security, battery monitoring, component, visual sensing and IoT with security ICs and has strong market share in Industrial, Automotive, Communication, Consumer and Computer markets. Nuvoton owns wafer fabs equipped with diversified processing technologies to provide professional wafer foundry services. Nuvoton provides products with a high performance/cost ratio for its customers by leveraging flexible technology, advanced design capability, and integration of digital and analog technologies. Combine the Nuvoton products with our highly educated and experienced team of Alcom's engineers and let us guide you through your next project.



Alcom considers everybody an indispensable added value in the collaborative chain with all of its partners.

Applications



AUDIO / VIDEO



CONSUMER



MEDICAL



AUTOMOTIVE



INDUSTRIAL



PORTABLE DEVICES



COMPUTING



IOT SECURITY



SMART HOME APPLIANCES



NuMicro[®] MCU Cores

Cortex[®] A35 Industrial Control & HMI

Cortex[®] M23 IoT Security Low Power

Cortex® M4
 High Performance
 Security

Cortex® M0 🕥

Comprehensive Platform Industrial Control Automotive

8051

Low Power Industrial Control Arm 9TM
 Industrial Control
 HMI
 AloT



Product Overview

Microcontrollers

MCU and MPU platform

- NuMicro[®] MCU
- NuMicro® MCU
- NuMicro[®] IoT Platform



Smart Home Audio

Audio MCU and Management

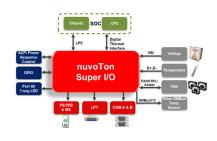
- Audio MCU/DSP with audio enhancement
- Audio component (Smart AMP, CODEC)
- NuSpeech / NuVoice / ChipCorder

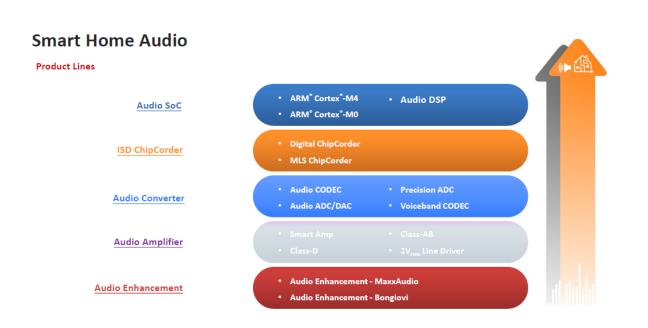


Cloud Security

Computing Security

- Secure Embedded Controller and Super I/O
- Trust platform module (TPM)
- Server Baseboard management controller (BMC)





Product Overview

CSP MOSFET

Component

Power Component

- CSP MOSFET
- RF-GaN



Battery and Analog Solutions

Analog IC's for battery / power applications

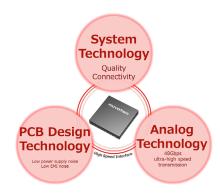
- Battery Monitoring IC
- Motor Driver IC

IoT with Security

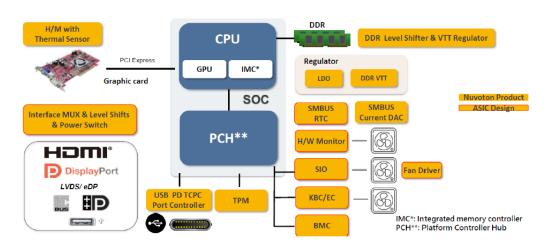
MCU and Communication / Interface IC's

- Motor & Power Control MCU
- High speed IF
- NFC Tag IC





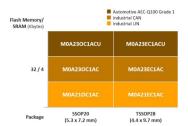
Nuvoton Cloud & Security Products



New product releases

IOT SECURITY MCU APPLIED ON THE MEDIA STREAMING DRM

IoT security has been one of the main issues in the IoT trend. And Nuvoton debuts the brand new NuMicro M2354 IoT security microcontroller series to inherit the security features of the NuMicro M2351 series that have been Arm PSA Certified[™] Level 1, Level 2, and PSA Functional API certified. The M2354 series endows the microcontrollers used network-connected devices with the physical level (chip-level) security protection function.





SMART HOME APPLIANCE MAIN CONTROL SOLUTION

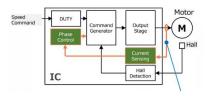
The NuMicro[®] M071 series is a 32-bit microcontroller based on Arm[®] Cortex[®]-M0 core, with the hardware divider, targeted for smart home appliance applications. For the growing requirements of safety functions on the home appliance, the M071 series provides certified Software Test Library (STL) and an application note for IEC60730-1 Class B Annex H. This certified STL can significantly reduce the development time and efforts to pass IEC60730-1 Class B certification for home appliances.

LOW-POWER BLE 5.0 AND 2.4G DUAL-MODE MICROCONTROLLER

NuMicro® M031BT/M032BT series based on Arm® Cortex®-M0 core operating up to 72 MHz, with up to 512 KB Flash and 96 KB SRAM. In addition to the BLE 5.0 and 2.4GHz RF wireless connectivity, the NuMicro M031BT/M032BT series feature built-in rich peripherals and analog functions for applications that need advanced and precise control functions in industrial control applications that it also requires wireless connectivity for sensor hubs in rigid working environments.



THREE AND SINGLE PHASE MOTOR DRIVER ICS



Nuvoton's motor driver IC incorporate APC (Auto Phase Control) technology to correct the phase delay by detecting motor current automatically. With APC, there is no need for adjustment of phase. It helps to eliminate phase delay due to motor variation or deterioration and therefore realize a high efficiency, reliability and safety motor system.

MUG51 8-BIT MCU LOW POWER MICROCONTROLLERS FOR BATTERY-FREE DEVICES

Nuvoton Technology, one of the world's leading suppliers of microcontrollers, has proudly launched its MUG51 8-bit MCU series of low power microcontrollers designed for battery-free devices. Nuvoton is committed to sustainable 8-bit MCU production and product longevity to ensure a reliable supply, giving customers the confidence to commit to long-term products, platforms, and projects.





NUVOTON AUDIO CONVERTERS & AMPLIFIERS

Nuvoton high performance audio converter product family consist of product series that covers end to end of the Audio Signal path in an audio system. The product family fulfill the design needs to translate between analog and digital domains. These series are designed as cost-effective solutions targeting consumer, telecommunication and automotive markets.

Alcom product portfolio

ELECTRONIC COMPONENT	WIRELESS EMBEDDED	WIRELESS & INDUSTRIAL	DISPLAY & TOUCH
SOLUTIONS	CONNECTIVITY & SENSORS	CONTROLS NETWORKING	
LED & SOLID STATE LIGHTING	POWER & EMC	RUGGED MOBILE COMPUTING	EMBEDDED SYSTEMS, AI & EDGE COMPUTING

 Semiconductors Frequency & timing Power management Circuit protection & discretes Magnetics Passives & electromechanical Connectors & cable assemblies Photonics 	 Wireless modules Antenna's Sensors
 Routers & gateways Wireless embedded computers Industrial ethernet and IP variations Wired & wireless machine networking Antenna's Device to cloud solutions Connectivity & remote management services Networking & connectivity 	 Displays Touch screens Optical bonding Total display solutions
 LED light sources Optics Thermal management Power & intelligent controls LED modules 	 AC/DC power supplies DC/DC converters Power management modules Wireless charging E-mobility solutions Transformers & power inductors UPS EMC filters
 Tablets PDA's Vehicle mount computers Accessories 	 Computer-on-modules Embedded boards Industrial PC & automation System integration

Bridging the gap between technology, people and business with a human interface.





ALCOM BELGIUM

Alcom electronics nv/sa Singel 3 2550 Kontich Tel: +32 (0)3 458 30 33 Fax: +32 (0)3 458 31 26 Email: info@alcom.be www.alcom.be

ALCOM THE NETHERLANDS

Alcom Electronics B.V. Rivium 1e straat 52 2909 LE Capelle a/d IJssel Tel: +31 (0)10 288 25 00 Fax: +31 (0)10 288 25 25 Email: info@alcom.nl www.alcom.nl

Get to know us

ALCOM PROVIDES THE WORLD'S MOST AD-VANCED TECHNOLOGIES.

With a team of like-minded entrepreneurs, Alcom will continue to inspire its valued customers to use advanced innovative building blocks in vertical markets. The importance of providing high-level services and a human interface based on specialism, knowledge and design-in expertise will remain key differentiators.

Alcom is positioned for growth. We invite all our customers to discuss their current and future concepts and designs. Let's connect, work and grow together.

