

NXP LPC55S16 MCU Awarded PSA Level 2 and SESIP Assurance Level 2 Certifications

EINDHOVEN, The Netherlands, Nov. 17, 2020 – NXP Semiconductors N.V. (NASDAC: NXPI) announced the LPCSSS16_MCLL has been awarded Level 2 certifications by both the PSA Certified scheme co-developed by Arm and the GlobalPlatform Security Evaluation Standard for IoT Platforms (SESIP) using the secure protection profile for embedded processors. With fast-expanding IoT and Industrial edge applications, device security and data protection become paramount. These certifications provide validation of NXPs security-by-design approach and further enhance OEMs and consumer confidence in NXP enabled edge devices.

Part of the NXP EdgeVerseTM computing and security portfolio, the LPC55S16 MCU is a member of the general purpose LPC5500 MCU series based on the Arm® Cortex®-M33 core. This series offers performance efficiency leveraging 40-nm NVM process technology, advanced security, and mixed-signal capabilities

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- A mT instaZone® technology, which enables system-wide software protection with the ability to securely isolate peripherals to reduce the risk of attack on critical components

 AES-258 accelerator provides confidentiality and secure hash algorithm (SHA2) accelerator provides integrity of secure communications and secure boot

 PRINCE module offers real-time encryption and decryption of the on-chip flash to provide both secure storage of data and asset protection of software intellectual property (IP)

 CASPER Crypto co-processor enables handware acceleration of various asymmetric cryptographic algorithms to establish secure connections

 Physical Undonable Function (PUF) uses dedicated on-chip SRAM to construct unique device root keys (64 to 4096 bits) for secure storage

 128-bit unique device serial number for identification (UUID)

 True Random Number Generator (TRNG)

 Code watchdog enables integrity checking of execution flow of the firmware

 Debug authentication protocol for secure debugging

Certified EdgeLock ** Assurance
The LPCSS16 MCU is part of the Certified EdgeLock Assurance program. Designed to meet industry standards, NXP products and services in the EdgeLock Assurance program follow proven security development processes and verification assessments – from product concept through release – to help ensure customers receive trus solutions for their executivy challenges.

Product Availability
The LPC58S16 MCU family is available now with a suggested resale price starting at \$1.54 (USD) for 10,000-unit quantities

Visit the <u>LPC55S16 MCU</u> for more information.

Also see EdgeLock Assurance, PSA Certified, and Security Evaluation Standard for IoT Platforms (SESIP) published by GlobalPlatform web pages for further details.

About NXP Semiconductors

NXP Semiconductors NX. enables secure connections for a smarter world, advancing solutions that make lives easier, better, and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the automotive, industrial & loT, mobile, and communication infrastructure markets. Built on more than 60 years of combined experience and experience, the company has approximately 29,000 employees in more than 30 countries and posted revenue of \$8.88 billion in 2019. Find out more all wave range com-

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