

New Product Announcement

Provide Secure Authentication with NXP's Ultra-Low-Power A1006 Device, Now at Mouser

December 5, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [A1006 Secure Authenticator](#) IC from [NXP Semiconductors](#). This embedded security solution offers best-in-class, tamper-resistant authentication through an asymmetric public/private authentication protocol to help manufacturers prove the authenticity of genuine products and prevent damage from counterfeits. The A1006 device is the industry's smallest, [lowest-power](#) secure authenticator, with an active power consumption of just 500 μ A in packages as small as 1 mm \times 1 mm.

The [NXP A1006 Secure Authenticator](#), available from Mouser Electronics, provides an outstanding level of security, while overcoming the challenges of performance, power consumption and solution footprint. The device's digitally signed certificates employ 224-bit ECDSA and SHA-224 digest hash, and authentication is performed in under 50 milliseconds. The A1006 authenticator provides a strong and effective option for device manufacturers, offering simple system integration and a flexible architecture communication, with the choice of single-wire or I²C interface. Built in NXP's secure manufacturing facilities, this robust authentication IC delivers protection against a wide range of invasive and non-invasive attacks; the device's industry-leading security features include TRNG, security sensors, and active shielding.

The A1006 Secure Authenticator IC is a sturdy security platform ideal for a broad range of hardware and software, including smartphones, chargers, printer cartridges, [medical](#) devices, electric [vehicle](#) chargers, and embedded systems that require a strong security infrastructure.

To learn more, visit www.mouser.com/nxp-a1006-secure-authenticator.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

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