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OPTIGA™ Trust Charge

1-page introduction

Infineon's virtual show 2020



OPTIGA™ Trust Charge (SLS32AIA020Ux)

The trusted authentication solution for wireless charging



Key Features

- › Turnkey solution providing authentication for wireless charging according to Qi 1.3 standard
- › Common Criteria EAL6+ (high) certified hardware
- › Authentication based on ECDSA NIST-P256
- › Cryptography support: NIST P-256, SHA-2
- › Proprietary certificate format supporting Qi 1.3 standard
- › PKI
- › I2C serial Communication
- › USON10-2 package (3x3mm)
- › Standard and extended temperature range available for consumer electronics and industrial applications
- › Full system integration support
- › Full turnkey solution incl. drivers / SW library / certificate(s) & key pair(s) implementation



Product Details

Sales codes	SLS32AIA020U2 (standard temperature range) / SLS32AIA020U3 (extended temperature range)	Temperature	-25 +85°C / -40 +105°C
Set-up	Turnkey	Interface	I2C
Memory	Up to 10kB user memory	Package	USON-10
Cryptography	ECC-256	Size	3 x 3 mm
Availability	Samples available / mass production starting after Qi 1.3 spec release		

More information

<http://www.infineon.com/optiga-trust-charge>

<https://github.com/Infineon/optiga-trust-charge>

Contact your Infineon sales representative for more information



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