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Embedded Systems

SECURE-CARD



SKILLS AND TARGET MARKET

The **Cryptocard** is an advanced encryption hardware module. The unit has a cryptographic coprocessor with hardware-based secure key storage and hardware support for asymmetric signature, verification, key agreement and symmetric algorithms. Cryptocard finds its application in fields such as measurement, games, payments and wherever highly secure application software and data protected from local or remote hacker attacks are needed.

UNIQUE SELLING POINTS

- Hardware support for asymmetric sign, verify, key agreement - ECDSA: FIPS186-3 Elliptic Curve Digital Signature
- Hardware support for symmetric algorithms
- Networking key management support
- Secure boot support
- Internal high-quality FIPS 800-90 A/B/C Random Number Generator (RNG)
- Two high-endurance monotonic counters
- Guaranteed unique 72-bit serial number
- 1MHz Standard I2C interface
- 1.8V to 5.5V IO levels, 2.0V to 5.5V supply voltage
- <150nA Sleep current
- 8-pad UDFN, 8-lead SOIC, and 3-lead CONTACT packages



UP TO 5 YEARS TOTAL WARRANTY
5/10 YEARS LIFETIME AVAILABILITY
ONLY INDUSTRIAL COMPONENTS
FOR MULTIMEDIA & HMI SMART
DEVICE APPLICATIONS

Visit www.novasomindustries.com for details



3x 4K
ULTRA HD

NXP

ARM

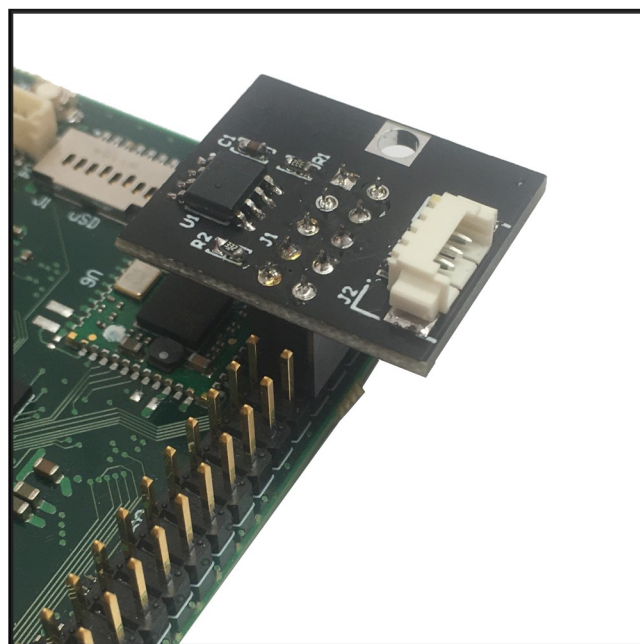
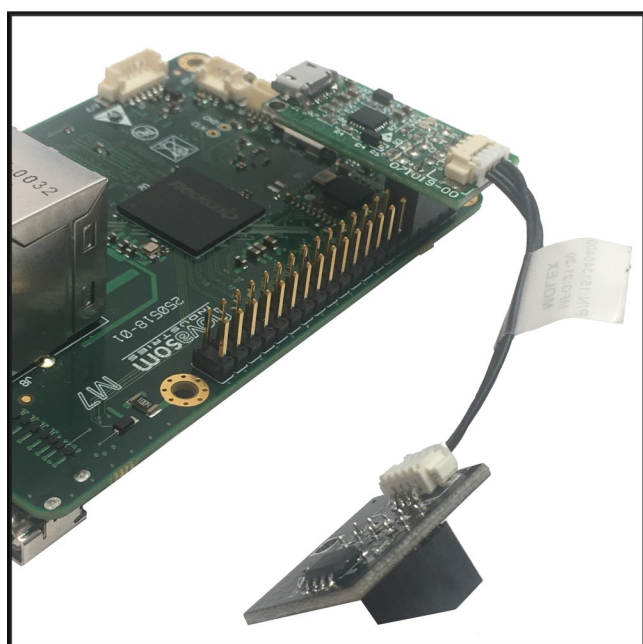
RASPMOOD

we have **SOLUTION** for you



HOW TO USE

Connect the **Secure-Card** directly on the strip or on the USBR programmer with 1MHz Standard I2C interface.



PARAMETRICS

Operating Current Typical (mA)	1
Operating Voltage (Vcc)	2-5.5
Temp# Range (deg C)	-40°C to +85°C
Interface Type	I2C
Zones	16
Key Size	256
Standby Typical (uA)	0.04
Algorithm Type	ECC P256 (ECDH and ECDSA), SHA256, AES-GCM