Silicon Craft Technology PLC.

World's Leader and Provider of Innovative RFID and NFC IC Solutions

Established in 2002, SIC offers novel, custom, and standard design microchips for RFID applications and delivers products that carry high-value added features and superior overall systems performance. **The products' quality is endorsed by years of lasting partnerships.**

SIC's reputation has been further strengthened through its experience and expertise in the design and development of world-class foundry semiconductor manufactures of linear and mixed-signal integrated circuits.

"Shape the world of secured & connected devices ***with innovation & intelligence"***

The first company to imvent NFC for anti-counterfeiting application

The leading spearhead in NFC-Sensor interface for Smart Health Care and Environmental Chemical Sensing

Expert engineering in ultra low-power mixed-signal ASIC design

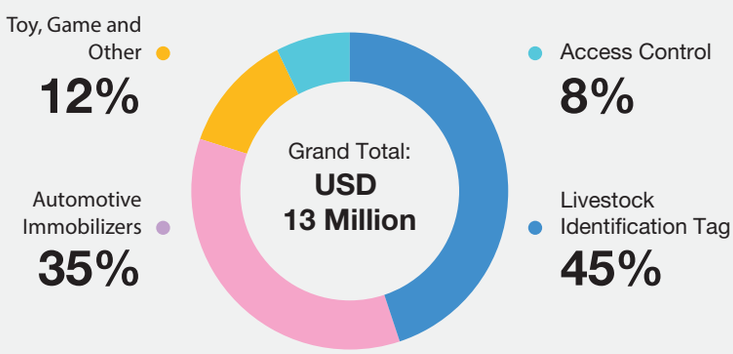
Proven expertise in cryptographic RF communication

Products & Services

RFID
(for both tags and readers)

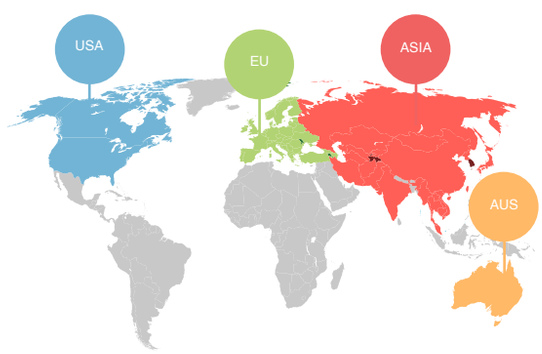
ASICs
(custom design to target wide range of applications and use cases)

Sale Revenue 2018



Market Coverage

Our target strategic growth countries:
China, Japan, Korea, India, EU, US, AUS



Applications

Automotive **Livestock** **Anti-counterfeiting** **Smart Home & Building** **Medical devices and Healthcares** **Toy&Game** **Payment**

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RFID Product Line :

LF

Low Frequency
(125-134.2 KHz)

Unique features with SIC C-Boost & C-Tune Technology

LF FDX-B Transponder IC
SIC7888/SIC278
Best read range performance by SIC's boost-up technique

The best performance in the market

LF 134 kHz HDX Transponder IC
SIC279
15% increase in read range compared with predecessor

App
- Access Control
- Animal Tracking
- Automotive
- Facilities Management
- Food Traceability
- Industrial Automation
- Logistics Management
- Waste Management

HF

Hi Frequency
13.56 MHz

App
- Access control
- Automotive(Access)
- Identification Tracking
- Industrial management
- Inventory management
- Mass Transit
- NFC Tag reader
- Payment system
- Smart Toy

Multiprotocol HF RFID Reader IC/ 13.56-MHz Multi-Standard Reader IC

ISO14443A Support with crypto engine

RA10
- SPI interface
- 3.3/5V Transmitter

high performance while highly cost effective

RA12
- Smart energy managed card detection
- Built-in RF field detection
- 3.3/5V Transmitter

High Performance 3 protocols

RE31
- Enhance receiver capabilities
- ISO15693, ISO14443A/B

EMV Support with 4 protocols

RE41
- Europay Mastercard Visa standard support
- JIS X 6319-4 Protocol

NFC

Near-field communication

NFC Tag Type 2
with UART interface
SIC4310/SIC4311

NFC Tag Type 2
Transponder & Family Anti-counterfeit solution
SIC43NT/SIC43S1

NFC Tag Type 2
with 12-bit ADC & Sensor Biasing Circuit
SIC4340/4341

App
- Batteryless E-ink display
- Chemical sensor
- Food Traceability
- Glucose sensor
- Multi-URL /NDEF NFC Touch Pad
- NFC Enabler Energy-harvested sound & LED
- Pressure sensor
- Smart toy
- Temperature sensor

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