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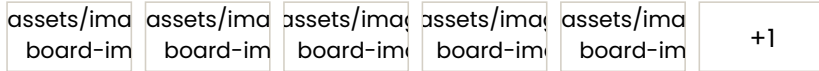# EdgeLock® SE051 Development Kit

OM-SE051ARD Receive alerts ⓘ

Overview   Product Details   Documentation   Design Resources ⓘ   Support

BUY OPTIONS

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The OM-SE051ARD is the flexible and easy-to-use development kit for the EdgeLock SE051 IoT Secure Element product family. It can be used in various ways, for example, via the Arduino interface compatible to any board featuring an Arduino compatible header, including many i.MX, LPC and Kinetis® boards or via a direct I^{2}C connection. This kit allows evaluation of the SE051 product family features and simplifies the development of secure IoT applications.

The OM-SE051ARD is configured with a SE051C2HQ1/Z01XD type.

DESIGN FILES

Product Details

Supported Devices | Applications

Supported Devices

Security and Authentication

Authentication

- **SE051** (/products/security-and-authentication/authentication/edgelock-se051-proven-easy-to-use-iot-security-solution-with-support-for-updatability-and-custom-applets:SE051)**:** EdgeLock® SE051: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets

Applications

Communication Infrastructure

Broadband Modem and Residential Gateway (/applications/smart-city/transportation/broadband-modem-and-residential-gateway:BROADBAND-GATEWAY)

Wireless Gateways

Industrial

Building Security (/applications/smart-city/access/building-security:BUILDING-SECURITY)

Electricity Meter (/applications/industrial/power-and-energy/electricity-meter:ELECTRICITY-METER)

Energy Management Systems

EV Charging Station (/applications/smart-city/infrastructure/ev-charging-station:EV-CHARGER-STATION)

Healthcare

Motor Drives (/applications/industrial/factory-automation/motor-drives:MOTOR-DRIVES)

Smart Metering

Smart City

Access Management (/applications/smart-city/access/access-management:ACCESS-MANAGEMENT-ASP)

Battery Systems

Electronic Health Card (eHC) (/applications/smart-city/identification/electronic-health-card-ehc:ELECTRONIC-HEALTH-CARD)

POS Terminal (/applications/smart-city/payment/pos-terminal:SMART-MOBILE-POS)

Smart City, Infra and Transportation

Smart Lock (/applications/smart-city/access/smart-lock:SMART-LOCK)

Smart Home

Gaming Accessories (/applications/smart-home/home-entertainment/gaming-accessories:GAMING-ACCESSORIES)

Home Security and Surveillance (/applications/smart-home/home-control-and-security/home-security-and-surveillance:HOME-SECURITY-SURVEILLANCE)

IP Camera

Routers

Buy Options

Availability: In stock
Inventory: 52
Shipping: Normally ships 1-2 business days

BUY FROM NXP (HTTPS://STORE.NXP.COM/WEBAPP/ECOMMERCE.ADD_ITEM.FRAMEWORK?PART_NUMBER=OM-SE051ARD&QUANTITY=1&ITEM_TYPE=TOOL_HW)

BUY FROM DISTRIBUTOR

OM-SE051ARD (/part/OM-SE051ARD)

EdgeLock® SE051 Development Kit.