Basic Parameters

Product Name	R803KEC
Casing Number	SR803
Power Supply	DC 5V 2A with Charger Adapter
Support Extended APDU Length	YES
Support OS	Linux Based
Certificate	CE, FCC, RoHS, CC EAL4+ (Under Test by CC Lab)
CPU	MIPS based Xburst Core 1.0GHz, 32KB L1 Cache, 256KB L2 Cache
Memory	Support DDR3, 4G by default
Flash	eMMC with 8G Storage
Transmission Speed	USB 2.0 Full Speed (12M)
USB Host	1x USB Type A Female Port
USB Device	1x Type C Female Port
Screen	Touch Screen(3.5″ Display Area) 320x480 Pixels and can Display up-to 262K
TPM Battery	CR2330
Wi-Fi	2.4GHz
GSM	LTE FDD : B1/B3/B5/B7/B8/B20 LTE TDD : B38/B40/B41 WCDMA : B1/B5/B8 GSM : B3/B8
RTC	YES
GPS	N/A (Need do OEM)
Ethernet Network	1x with RJ45 Port
Battery	N/A (Need do OEM)
Phyiscal Keypad	Up / Down / Left / Right / Confirm / Cancel
Power Button	1x
Material	ABS + PC
Dimension	186*90*39mm
Weight	<=300gr (Under Confirm)
Status Indicator	Red Light for Power Status

Fingerprint Module (SecuGen U10 by Default)

DPI	500 DPI
Image Size	252x330 Pixels
Platen size	15.2mm x 20.2mm
Sensor Area	12.8mm x 16.8mm
Image Gray Scale	256 Levels (8-bit)
Light Source	LED
Smart Capture Speed	0.2 ~ 0.5 Seconds
Biometric Standards	INCITS 378, ISO/IEC 19794-2, ISO/IEC 19794-4
Compliance	FCC, CE, KCC, RoHS, FIPS 201, FBI (PIV, Mobile ID FAP 10)
Other Features	Auto-On™, Smart Capture™

Operation System and Libs

Operation System	Linux Based with Kernel 3.x.x
Libs	OpenSSL, QT, PC/SC Lite, BioAPI
Cross Build Environment	MIPS GNU Developer Kit
Security Boot	YES

Smartcard Reader Module

Power to Smart Card	5V, 3V, 1.8V
2x Contact Card Support	• Supported Card Types : 1.8V, 3V and 5V • Smart Card Interface Speed : 10753~625kbps (when supported by card) • Card Clock Frequency : 4M-12M • ISO 7816-3 ID-1 (full-size) • ISO/IEC7816, T=0 and T=1 protocol, Class A, B, C cards
1x SIM Card Support	• Supported Card Types : 1.8V, 3V and 5V • Smart Card Interface Speed : 10753~625kbps (when supported by card) • Card Clock Frequency : 4M-12M • ISO 7816-3 ID-1 (full-size) • ISO/IEC7816, T=0 and T=1 protocol, Class A, B, C cards
Contact Principle (ID-1 Slot)	Landing Contact Technology with 300,000 Insertions
Contact Principle (ID-1 Slot)	Landing Contact Technology with 300,000 Insertions
Contact Principle (SIM Slot)	Friction Technology with 100,000 Insertions
Reader Status Indicator	Red / White / Blue / Green
Card Reader Standard	• ISO-7816 Class A, B, C (5V, 3V, 1.8V) Standard • EMV Level 1 Standard • PC/SC Standard • USB 2.0 Standard • CCID Standard
API Standard	PC/SC Lite / WINSCARD API
Firmware Security	• Firmware Encryption Mechanism • Firmware cannot be read out. Anti-Reverse Analysis

Features

Readily Compliant	-
Suits Any Application	-
Data Storage Encryption	YES
System Access Protection	YES
System Protection Mechanism Prevent System Being Re-Flashing	YES
Support TPM	YES

Work Environment

Power Supply Voltage	DC 5V
Working Current	Under Test Internal
Working Temperature	0°C ~ 60 °C
Storage Temperature	~20°C ~ 85°C
Humidity	≤90%(non-condensed)

Reader Security

Physical Security	• Short Circuit and Thermal Protection / Over-Voltage Protection • High Security Level Chipset • Electrostatic Prevention

Warranty

Meantime Between Failure (MTBF)	500.0000 Hours
Warranty	Up to Two Years Manufacturer's Warranty