

RS31 series

Touch Mobile Computer



Performance	Operating system	Android 6.0 / Android 7.0 (GMS)
	CPU	CPU Cortex A53 Quad-core 1.3GHz
	Memory	16GB eMMC Flash/ 2GB LPDDR3 RAM
	Expansion	Micro SD card slot with SDHC support (up to 32GB)
	SIM / SAM	2 SIM slots and 1 SAM slot
	Operating power	Replaceable and rechargeable 3.85V, 2960 mAh Li-ion battery (cell 3000 mAh)
	Working hours ¹	12 hours (laser)/ 10 hours (2D imager)
	Alert	Tri-color LEDs, vibrator, speaker
Wireless communication	Interface supported	USB 2.0 OTG and charging contact
	WWAN ²	GSM/GPRS/EDGE/WCDMA/UMTS/HSDPA/HSUPA/HSPA+/LTE GSM/GPRS/EDGE: 850 / 900 / 1800 / 1900 WCDMA/UMTS/HSDPA/HSUPA: 800 / 900 / 1900 / 2100 LTE: 800 / 900 / 1800 / 2100 / 2600
	WLAN	IEEE 802.11 a/b/g/n
	WLAN security	WPA, WPA2, WEP, TKIP, AES, PEAP, TTLS, TLS, PWD, SIM
	WPAN	Bluetooth [®] Class II, V4.1 BLE, V2.1 with Enhanced Data Rate (EDR)
	Bluetooth [®] profile	GAP, SDP, HSP, SPP, GOEP, OPP, HFP, PAN, A2DP, AVRCP, GAVDP, HID, PBAP
	GPS	Built-in GPS, GLONASS, BeiDou, AGPS
Data capture	Barcode scanning	Linear imager / Laser / 2D imager
	RFID read / write	HF RFID 13.56 MHz frequency which supports ISO14443A, ISO14443B, and ISO15693 Support NFC (Peer-to-Peer, Card Reader, Card Emulation)
	Camera	Autofocus 8 megapixels with LED flash
Physical characteristics	Display	4.7" HD 720 (W) x 1280 (H), Transmissive IPS LCD, sunlight visibility, Dragontrail™ glass
	Touch panel	Capacitive touch with stylus or bare or gloved fingertip input
	Interactive Sensor Technology	Accelerometer, Light sensor, proximity sensor, e-compass
	Keypad	Dedicated scan key, 4 programmable keys, volume up and down keys, left and right trigger keys, power key
	Audio	Speaker, dual array microphones with echo and noise cancellation
	Size (LxWxH)	159 x 80 x 17.3 mm
	Weight	Under 260 g (2D imager with battery)
User environment	Operating temperature	-20°C to 50°C / -4°F to 122°F
	Storage temperature	-30°C to 70°C / -22°F to 158°F
	Humidity (non-condensed)	Operating 10% to 90% / Storage 5% to 95%
	Impact resistance	1.2 m (4 ft.) multiple drops onto concrete, 6 drops on each side / IP67 / 150 tumbles at 0.5 m With protective boot: SGS certified 1.5 m (5 ft.) multiple drops onto concrete, 6 drops on each side / IP67 / 300 tumbles at 0.5 m
	Electrostatic discharge	± 15 kV air discharge, ± 8 kV contact discharge
	Regulatory compliance	CE, RCM, NCC, JRL, TBL RoHS, REACH, WEEE, ErP
Development support		Android 6.0 SDK, reader API, SAM API, HTML 5 API
Application software		Reader Configuration, Button Assignment, Mobile Deployment Suite, Software Trigger Key, Xamarin Binding, CipherLab TE, App-Lock, HTML5 (Browser and API), SOTI MobiControl, Kalipso
Accessories		Charging cradle, 4-slot battery charger, USB snap-on cable, micro USB cable, Protective boot
Warranty		1 year

- Minimum 12/10 hours under WLAN and laser/2D scanning per 20 seconds, LCD 50% backlight and speaker on (volume is default) at 25°C, RFID off / Bluetooth[®] off / IEEE 802.11 a/b/g/n on. The test is based on one broadcasting packet per second.
- The mobile computer has received general telecommunication certification for data communication. Please check with your local carrier for the optimum operating efficiency.



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