

RS50 series

Rugged Android Touch Computer



Performance	Operating system	Android 6.0 (GMS)		
	CPU	Octa-core Cortex A53 Up to 2.0 GHz		
	Memory	16 GB Flash / 2 GB 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 3.8V 4000 mAh Li-ion battery	Replaceable and rechargeable 3.8V 5300 mAh Li-ion battery	
	Working hours ¹	Minimum 12 hours ¹		Minimum 16 hours ¹
	Alert	Tri-color LEDs, vibrator, speaker		
Interface supported	USB 2.0 OTG and charging contact			
Wireless communication	WWAN ²	GSM / GPRS / EDGE / WCDMA / HSPA / HSPA+ / LTE CAT6 Worldwide GSM : 850/900/1800/1900 Americas GSM : 850/900/1800/1900 UMTS : 850/900/1900/2100 UMTS : 850/900/AWS(1700)/1900/2100 FDD LTE : 800/900/1800/2100/2600 (FDD 20,8,3,1,7) FDD LTE : 700/850/1700/1900/2600 TDD LTE : 2600 (TDD 38) (FDD 13,17,5,4,2,7)		
	WLAN	IEEE 802.11 a/b/g/n/ac dual band		
	WLAN security	WEP, WPA (PSK, TKIP), WPA2 (AES, PSK), WPA-1X (TKIP,EAP-TLS, PEAP), WPA2-1X (AES, EAP-TLS, PEAP) ,802.1x(EAP-TLS, PEAP) AES-CCMP, WPI-SMS4, GCMP, WPS2.0, WAPI		
	WPAN	Bluetooth® Class II, V4.1 dual mode, 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	2D imager		
	RFID read / write	HF RFID 13.56 MHz frequency which supports ISO14443A, ISO14443B, ISO15693, Felica Support NFC (Peer-to-Peer, Card Reader, Card Emulation)		
	Camera	Autofocus 8 megapixels (F2.0) with user-controllable flash		
Physical characteristics	Display	4.7" HD 720 (W) x 1280 (H), Capacitive touch supports bare/wet/gloved finger and stylus inputs		
	Interactive Sensor Technology	Light sensor, proximity sensor, accelerometer, e-compass		
	Keypad	Dedicated scan key, 4 programmable keys, volume up and down keys, left and right trigger keys, power key		
	Voice and Audio	VoLTE & HD voice support; Speaker, dual array microphones with echo and noise cancellation		
	Size (LxWxH)	162 x 80 x 26 mm		
	Weight (including battery)	330 g	365 g	
	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		1.8 m (6 ft.) multiple drops onto concrete, 6 drops on each side, IP65/ IP67/ 1000 tumbles at 1 m		
Electrostatic discharge		± 15 kV air discharge, ± 8 kV contact discharge		
EMC regulation		CE, Green, NCC, FCC, BC RoHS, REACH, WEEE, ErP		
Development support	Android 6.0 SDK, reader API, SAM API, HTML 5 API			
Application software	Reader Configuration, Button Assignment, MDS, Software Trigger Key, Xamarin Binding, CipherLab TE, App-Lock, HTML5 (Browser and API), SOTI MobiControl, Kalipso			
Accessories	Charging and Communication cradle (USB or Ethernet), USB snap-on cable, 4-slot battery charger, Pistol Grip 4-slot terminal charger with optional Ethernet function (TBD)			
Warranty	1 year			

1. Minimum 12/16 hours under WLAN and 2D scanning per 20 seconds, LCD 50% backlight and speaker on (volume is default) at 25°C, RFID off / Bluetooth® off / IEEE 802.11 b/g/n/ac on. The test is based on one broadcasting packet per second.
2. 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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