

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 3.75V 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	Worldwide	GSM / GPRS / EDGE / WCDMA / HSPA / HSPA+ / LTE GSM : 850/900/1800/1900 UMTS : 850/900/1900/2100 FDD LTE : 800/900/1800/2100/2600 (FDD 20,8,3,1,7) TDD LTE : 2600 (TDD 38)		Americas	GSM : 850/900/1800/1900 UMTS : 850/900/AWS(1700)/1900/2100 FDD LTE : 700/850/1700/1900/2600 (FDD 13,17,5,4,2,7)
	WLAN	IEEE 802.11 a/b/g/n/ac/d/e/i/w 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, 3 programmable keys (volume up and down, right trigger key), 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				
	Regularity Compliance	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.

ACCESSORIES			
	Charging and Communication Cradle	USB snap-on cable	4-slot Battery Charger



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