

# RS51 series



## Smarter Solution Keeps up with Fast-paced Changes

With the development of E-commerce, delivery speed is in demand for industries such as transportation and logistics and direct store delivery. A smarter and faster solution is needed. The importance of device upgrade capability has become a crucial element in maximizing device investment and customer satisfaction. CipherLab continually aims to deliver a leading solution and has created the advanced RS51 rugged touch computer that can streamline data collection with one simple device. Along with reliable cellular and Wi-Fi transmission, the RS51 gives users extraordinary mobility indoors and out.



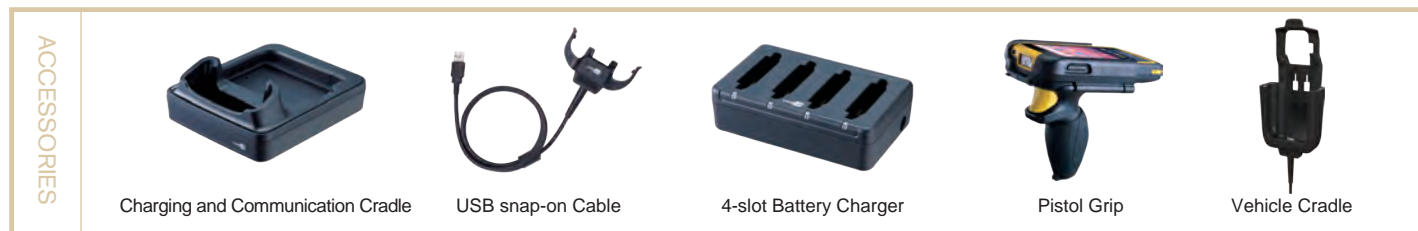
# RS51 series

## Rugged Android Touch Computer



Performance	Operating system	Android 8.0 (GMS) (Upgradeable to later Android version, subject to product plan)		
	CPU	Octa-core 1.8GHz		
	Memory	16 GB Flash / 2 GB RAM		
	Expansion	Micro SD card slot with SDHC support (up to 32GB) and SDXC (up to 64GB)		
	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 <sup>1</sup>	Minimum 12 hours <sup>1</sup>		Minimum 16 hours <sup>1</sup>
	Alert	Tri-color LEDs, vibrator, speaker		
	Interface supported	USB 2.0 OTG and charging contact		
Wireless communication	WWAN <sup>2</sup>	GSM / GPRS / EDGE / WCDMA / HSPA+ / LTE Worldwide (2G) GSM : 850/900/1800/1900 (3G) CDMA : BC0, BC1, BC10 (3G) UMTS/HSPA/HSPA+ : B1 (2100), B2 (1900), B4 (1700), B5 (850), B8 (900) (4G) FDD LTE : B1 (2100), B2 (1900), Band3 (1800), B4 (1700), B5 (850), B7(2600), B8 (900), B12 (700), B13 (700), B17 (700), B20 (800), B25 (1900), B26 (850), B28 (700) (4G) TDD-LTE : Band38, Band39, Band40, Band41		
	WLAN	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w		
	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, 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, AGPS, GLONASS, BeiDou, Galileo		
	Barcode scanning	2D imager / Mid-range 2D imager		
Data capture	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 13 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, Dragontrail™ Glass		
	Interactive Sensor	Light sensor, proximity sensor, accelerometer, e-compass		
	Keypad	Dedicated scan key, 3 programmable keys (volume up and down keys, 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; 1000 tumbles at 1 m; IP65/IP67		
	Electrostatic discharge	± 15 kV air discharge, ± 8 kV contact discharge		
	Regularity compliance	CE, Green, NCC, FCC, BC RoHS, REACH, WEEE, ErP		
Development support	Android 8.0 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, Vehicle Cradle Reserved for CRM: 4-slot charging and communication cradle with Ethernet			
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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