CIPHER LAB
Smarter

RS50 series

Android Touch Computer Gets Smart

In recent times, smart phone technology is gaining popularity beyond the casual users and making way into the workplace. As smart phones become more practical, CipherLab timely developed the RS50 rugged Android Touch Computer to provide a true mobile office solution with high-end market standards for enterprises with smartphone users. CipherLab's RS50 Android Touch Computer brings a sense of familiar usability that can streamline data collection with one simple device. Along with reliable Wi-Fi transmission, the RS50 gives users extraordinary mobility inside and outside the four walls.

ANDROID 6.0 | 4.7" CAPACITIVE TOUCH PANEL | IP65 | IP67 | 1.8M MUTIPLE DROPS | 2D IMAGER | NFC | SAM | 802.11 a/b/g/n /ac | LTE

RS50 series

Rugged Android Touch Computer

Performance	Operating system	Android 6.0 (GMS)	
	CPU	Cortex A53 Octa-core 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, 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 Commiunication Cradle

USB snap-on cable

4-slot Battery Charger