RS50: Rugged Smartphone, Android, long 2D, WiFi dual band, WPAN, WWAN - 3G/LTE, RFID, HC battery, NFC, USB Kit

CipherLab RS50 series is a new touch mobile computer, which is well-balanced between ruggedness and user-friendly form factor to deliver superior user experience. Tailored for user's demands in logistics, field service, and warehousing, the RS50 series runs in Android 6.0 operating system and is equipped with a 4.7" multi-touch display, wireless communications, application software, and development tools. All these featured designs are protected under the industrial standard up to IP67 to assure the performance in any harsh environments.

When you need a smartphone form factor with robust protection for use in logistics, on-site service, warehousing and similar, the RS50 is the perfect solution. Running on Android 6.0, this tough enterprise mobile computer is IP67-rated and survives multiple 1.8m drops to concrete. Integrated WWAN, WLAN and WPAN take care of voice and data comms and there's a choice of integrated barcode readers. With the enterprise in mind there are USB-connected cradles and ethernet comms. When the working environment is harsh, the RS50 is the smarter choice.



Key Features of the Smartphone CipherLab RS50:

- Full version of Android 6.0 with GMS
- The fastest Cortex A56 processor, octa-core, 2 GHz
- USB 2.0 OTG communication interface
- Long battery life, up to 16 hours after charging
- 2 Dual SIM - 2 slots for 2 SIM cards + memory card slot
- RFID and NFC reader as standard
- 4.7" capacitive touch display

- IP67
- Built-in multi-touch panel
- Protective layer of display: Corning Gorilla Glass 3
- battery backup with Hot swap
- Lightweight 330 g
- Camera 8 MPix
- Wi-Fi and Bluetooth
- 2D Imager
- Supported by the Sysdev KALIPSO Mobile Application Generator software development tool

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Technical Description

Functionality & Operation	
Display type	4.7'' HD 720 (W) x 1280 (H)
Operation interface	programmable buttons, volume up and down keys, ON/OFF, scan button, color touch LCD panel
WLAN Features	IEEE 802.11 a/b/g/n/ac/d/e/i/w dual band
Expansion slot	Micro SD Card (SDHC), 2x SIM, SAM
Touch-screen panel	Yes, capacitive multi-touch
Communication interface	USB, 802.11 a/b/g/n/ac/d/e/i/w dual band, Bluetooth Class II 5.1 ver. 2.1+ EDR, Bluetooth 4.1 BLE, Audio
Operating system	Android 6.0 (GMS)
Memory	16GB Flash, 2 GB RAM
CPU Type	Cortex A53 Octa Core Up to 2,0 GHz
Wireless communication	WiFi, Bluetooth®, EDGE, GPRS, GPS, GSM, HSDPA, HSPA+, LTE, UMTS, NFC
RFID transponder protocols	ISO 14443A, ISO 14443B, ISO 15693, NFC (NDEF)
GPS navigation	AGPS, GLONASS, BeiDou, GPS
1D Barcode Symbologies	All standard one-dimension barcodes
2D Code Symbologies	all standard 2D-Codes
Optical	
Bar code scanner	Long 2D Imager
Depth of scan field	8-425 cm
Camera	8 MPix, with Autofocus, with LED flash
Sensors	light sensor, proximity sensor, accelerometer, e-compass
Electrical	
Main battery pack	Rechargeable Li-Ion battery 5300 mAh, 3,8V
Main battery pack operating time	16hod
Mechanical	
Weight	365g
Dimensions	Width: 80mm, Height: 162mm Length: 26mm
Color	black, yellow
Environment	
Operating humidity (non-condensing)	10 to 90%
Operating temperature	-20 to 50°C
Storage temperature	-30 to 70°C
Ingress protection	IP67, IP65
Shock resistance	drop from 1,8 m on to concrete surface
Storage humidity (non-condensing)	5 to 95%
Electrical static discharge	±8kV contact, ±15kV air
Others	
Certifications	CE, Green, NCC, FCC, CB, RoHS, REACH, WEEE, ErP, SRRC, CCC, MII, RCM, CRC, BC, NBTC
Application software	Reader Configuration, Button Assignment, SOTI MobiControl, App-Lock, Kalipso Mobile Application Generator, HTML5 (Browser & API), MDS, Terminal Emulation, Xamarin Binding

Warranty	1 year

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