RS51: Rugged Smartphone, Android 8.1, 2D, WiFi dual band, WPAN, WWAN - 4G/LTE, RFID, NFC, GMS, 5300 mAh, USB Kit

CipherLab's RS51 series inherited the advantages with enhanced functions to provide smarter and more efficient operation for business' every-day usage. The RS51 is an Android Enterprise Recommended (AER)* device - i.e. the user is guaranted to have support for multiple future versions of the Android OS. Along with strong mobility options such as Wi-Fi and 4G/LTE, its enterprise functionality is protected by advanced rugged designs.

CipherLab RS51's versatile data collection supports 1D and 2D barcodes with comprehensive abilities to capture data in milliseconds, even if the barcode is in poor condition. The option of mid-range reader makes barcode capture in the warehouse

effortless. Additionally, proof of service and video recording are made easy with signature capture and the upgraded 13 MP camera. It has HF RFID capabilities and supports contactless NFC applications in three modes. RS51's versatile data collection easily optimizes your operation.

Business and field workers can enjoy reliable cellular and Wi-Fi support. You never have to worry about facilitating large file transfers, video calls and remote access to backend systems with its 4G/LTE. Being connected to corporate system at all times allows you to acquire information, update backend system and receive notifications of information quickly. Supporting up to 2 SIM cards on 2 different networks, enables your workers who cover large areas in different countries to have constant connectivity. Also, a comprehensive GPS supports accurate positioning and reduces drive time. Voice capabilities, VoIP (Push-to-Talk) and VoLTE empower your field workers instant voice connection with staffs inside the office. The microphones with noise reduction and echo cancellation let users hear every word of every call in noisy environments or on the road in city traffic.

High security standards thanks to the Google certification

The CipherLab RS51 is certified for Google's GMS and it has also Android Enterprise Recommended (AER) certification. This gives high safety standards to a user. The manufacturer also guarantees 90-day safety updates over the first five years after purchase.

On top of it all, CipherLab's RS51 mobile computer offers value-added utilities and software that empowers enterprises a solution to manage and simplify business operations and maintenance.

Key Features of the Rugged Smartphone CipherLab RS51

- Full version of Android 8.0 with GMS
- Fastest octa-core 1.8 GHz CPU
- 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: DragontrailTM Glass
- Battery backup with Hot swap
- Lightweight 330 g
- Camera 13 MPix
- Wi-Fi and Bluetooth
- 2D Imager
- Supported by the Sysdev KALIPSO Mobile Application Generator software development tool

CipherLab RS51 Series Rugged Android Touch Computer

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Why is it necessary to make CipherLab RS51 so strong?
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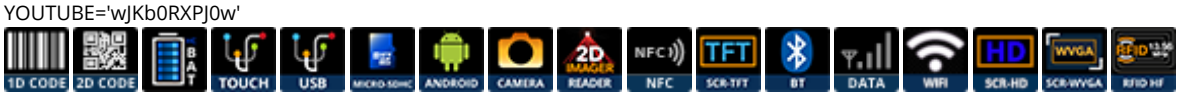

Technical Description

Functionality & Operation	
Operating system	Android 8.1 (GMS)
Touch-screen panel	Yes, capacitive multi-touch
Communication interface	802.11 a/b/g/n/ac/d/h/i/r/k/v/w dual band, Bluetooth 4.1 BLE, Bluetooth Class II 5.1 ver. 2.1+ EDR, USB, Audio
GPS navigation	a-GPS, BeiDou, Galileo, GLONASS, GPS
Operation interface	ON/OFF, volume up and down keys, programmable buttons, scan button, color touch LCD panel
Memory	16GB Flash, 2 GB RAM
Expansion slot	SAM, 2x SIM, Micro SD Card (SDXC)
1D Barcode Symbologies	All standard one-dimension barcodes
2D Code Symbologies	all standard 2D-Codes
CPU Type	Octa Core 1.8 GHz
Display type	4.7'' HD 720 (W) x 1280 (H), Dragontrail Glass
RFID transponder protocols	ISO 14443A, ISO 14443B, ISO 15693, NFC (NDEF)
WLAN Features	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w
Indicators	Tri-color LEDs, vibrator, speaker
Wireless communication	WiFi, Bluetooth®, EDGE, GPRS, GPS, GSM, LTE, NFC, UMTS, HSPA+, HSDPA
Optical	
Bar code scanner	2D Imager
Depth of scan field	35 mm ~ 280 mm
Camera	13 MPix, with Autofocus, with LED flash
Sensors	accelerometer, e-compass, proximity sensor, light sensor
Electrical	
Main battery pack operating time	16 hrs
Main battery pack	Rechargeable Li-Ion battery 5300 mAh, 3,8V
Mechanical	
Weight	365g
Dimensions	Width: 80mm, Height: 162mm Length: 26mm
Color	black, yellow
Environment	
Electrical static discharge	±8kV contact, ±15kV air
Shock resistance	multiply drops from 1,8 m onto concrete surface, 1000 tumbles at 1 m
Operating temperature	-20 to 50°C
Operating humidity (non-condensing)	10 to 90%
Ingress protection	IP65, IP67
Storage temperature	-30 to 70°C
Storage humidity (non-condensing)	5 to 95%
Others	
Certifications	CE, ErP, FCC, Green, NCC, BC, REACH, RoHS, WEEE, AER (Android Enterprise Recommended)

Application software	App-Lock, Button Assignment, HTML5 (Browser & API), Kalipso Mobile Application Generator, MDS, Programmable Keys, Reader Configuration, SOTI MobiControl, Terminal Emulation, Xamarin Binding
Warranty	1 year

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