



## RS51: Rugged Smartphone, Android 11, 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 guaranteed 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: Dragontrail™ 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

YOUTUBE='gtZk-eO5FZY'

Why is it necessary to make CipherLab RS51 so strong?

YOUTUBE='wJKb0RXPJ0w'



# Technical Description

|                                     |                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Functionality & Operation           |                                                                                                                |
| Memory                              | 4GB RAM, 64 GB Flash                                                                                           |
| 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                                                                           |
| Operating system                    | Android 11.0 (GMS)                                                                                             |
| Operation interface                 | ON/OFF, volume up and down keys, programmable buttons, scan button, color touch LCD panel                      |
| Expansion slot                      | SAM, 2x SIM, Micro SD Card (SDXC)                                                                              |
| 1D Barcode Symbolologies            | All standard one-dimension barcodes                                                                            |
| 2D Code Symbolologies               | 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                             |                                                                                                                |
| Camera                              | 13 MPix, with Autofocus, with LED flash                                                                        |
| Sensors                             | accelerometer, e-compass, proximity sensor, light sensor                                                       |
| Bar code scanner                    | 2D Imager, Long 2D Imager                                                                                      |
| Electrical                          |                                                                                                                |
| Main battery pack                   | Rechargeable Li-Ion battery 5300 mAh, 3,8V                                                                     |
| Main battery pack operating time    | 12 hour                                                                                                        |
| Main battery pack operating time    | 16 hours                                                                                                       |
| Mechanical                          |                                                                                                                |
| Dimensions                          | Width: 80mm, Height: 162mm Length: 26mm                                                                        |
| Weight                              | 330g                                                                                                           |
| Weight                              | 365g                                                                                                           |
| 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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