CIPHER LAB
Smarter

RS51
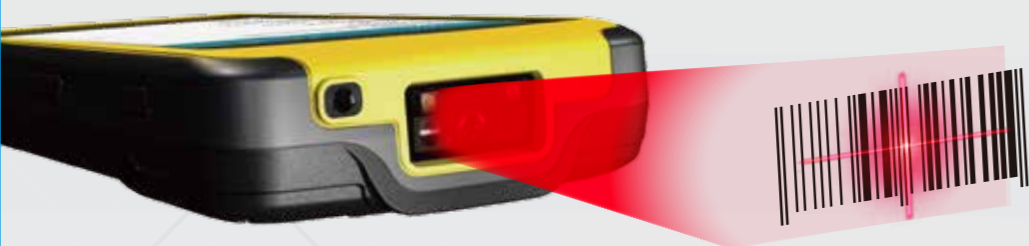series

android
enterprise
recommended

Smarter Solution Keeps up with Fast-paced Changes

Android 8.0 (Oreo) GMS certified Upgradable to later versions

Supports 1D and 2D barcodes HF RFID capabilities and supports contactless NFC applications

2D IMAGER

NFC

4.7" display

Auto-adjustable backlight and sunlight visibility

Microphone with noise reduction and echo cancellation

Flexible data entry options

finger + gloved finger
finger + stylus input
(wet finger is also practical)

IP65
IP67

IP65 and IP67 sealing protects device from dust and water

13 MP Camera with LED flash to capture photos for proof of service

Removable 4000/5300 mAh battery

Operate minimum 12 and16 working hours

Smarter Solution Keeps up with Fast-paced Changes

CIPHER LAB Smarter

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.

Built for Smarter and More Efficient Operations

CipherLab's RS51 series inherited the advantages with enhanced functions to provide smarter and more efficient operation for business' every-day usage. Its future-proof and upgradeable feature are highly adaptable to future changes. The RS51 series has a comprehensive data capturing capabilities. Along with strong mobility options such as Wi-Fi and 4G/LTE, its enterprise functionality is protected by advanced rugged designs. 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.

A Future Proof Device that is Adaptable to Future Changes

android enterprise recommended

As an Android Enterprise Recommended (AER) device users will have support for multiple versions of the Android OS. The RS51 series is future proofed with Android 8.0 operating system and is upgradable to later Android version which maximizes device investment. Along with Google Mobile Services (GMS), your business can enjoy great user experience along with advantages in operation speed, power efficiency, data security and work seamlessly with a collection of Google applications such as Gmail and Google maps. With the OS upgrade flexibility, your enterprise can enjoy all the upgrades for years to come.

Reliable Field Mobility Makes Operation Easy Inside and Out

Your 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.

All Your Data Capturing Needs in One Device

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.

Ergonomic Design Centered On Usability

CipherLab RS51's user-centered design is easy to use all day long. The auto-adjustable backlight and sunlight visibility ensures screen readability in or out the field. Regardless of wearing gloves or having wet fingers, the RS51's multi-touch panel and stylus input has it covered. Options of 4000 mAh and 5300 mAh replaceable batteries cover a minimum of 12 hour operation. Its hot swap function and back-up battery offer smooth operation without worrying about data loss. Moreover, IP65 and IP67 sealing protects your device from dust and water. No matter how demanding your working environment is, you can rely on RS51 to get the job done.

Complete Value-added Utilities and Software

Not only hardware, CipherLab provides a complete solution for your software needs. The RS51 is compatible with various self-owned and 3rd party software to provide your business a complete mobile office solution.

CipherLab Terminal Emulation CipherLab Terminal Emulation supports systems of TN5250, TN3270 and VT100/102/220/ANSI with full screen operation for efficient inventory management. Your business will certainly save time with a full-screen operation where the intuitive user interface, Wi-Fi status, battery capacity, custom font size/color and more are available at your staff's disposal.

ReMoCloud™ A brand new utility to manage Android devices via web. It integrates all the settings into the utility and monitors the status of devices. Management and deployment of devices anywhere and anytime is feasible.

CipherLab Mobile Deployment Suite

- CipherLab BarcodeToSetting creates user-friendly setup process, significantly shortens user's device setup time. Users may utilize BarcodeToSetting to export certain configurations in the Android Deployment Configurator (ADC) and generate corresponding 1D/2D barcodes. With a simple scan, all required settings are done within seconds.

- With CipherLab Wireless Mobile Deployment System (WMDS), users may efficiently deploy device configuration settings to a large number of devices. It also allows your worker to backup configurations with one click deployment and duplicate device settings for different series of products.

RS51 series

android enterprise recommended | ANDROID 8.0 | 4.7" CAPACITIVE TOUCH PANEL | IP65 | IP67 | 1.8M MUTIPLE DROPS | 2D IMAGER | NFC | SAM | 802.11 a/b/g/n /ac | LTE

Performance	Operating system	Android 8.0 (GMS) (Upgradeable to later Android version, subject to product plan)
	CPU	Octa-core 1.8GHz
	Memory	16GB Flash / 2GB 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[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+ / LTE — World All-Mode (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
Data capture	Barcode scanning	2D imager/Mid-range 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 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 Technology	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
	EMC regulation	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.

ACCESSORIES

Charging and Communication Cradle | USB snap-on Cable | 4-slot Battery Charger | 5-slot Terminal Charging Cradle | Pistol Grip | Vehicle Cradle

*Accessories are backward compatible with RS50 series.

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