RS36
series

Superior Data Capture and Visibility Boosts All-day Workflow Efficiency
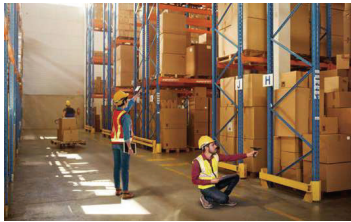
Introducing CipherLab's new **RS36 touch mobile computer**, the successor to the highly successful RS35. This versatile and intuitive upgrade offers a new **advanced scan engine** option and expanded functionality — a durable, enterprise-class touch computing system that makes operations more efficient.

RS36 uses **Android 12** with a commitment to Android 14. With this operating system, RS36 provides unmatched versatility and simplicity that minimizes onboarding time, enhances user experience, and maximizes productivity.

Ultra-Reliable Data Access and Communication for Mobile and Frontline Employees

CipherLab's RS36 is a versatile mobile computer with advanced scanning, powerful processing capabilities, and an intuitive touchscreen. It also offers a robust and secure data connection and a rugged design for off-site use.

Not only does the RS36 have complete data protection, but it can also be easily deployed and managed using CipherLab's mobile management software solution. All these features enable mobile workforces to complete more work in less time.

Offering Flexible Data Capture Capabilities With Agile Performance

The capabilities of the RS36 versatile reader include **1D** and **2D barcode** scanning, **HF RFID**, and contactless **NFC** applications. With both **standard** and **advanced range** scanning, your workers can scan barcodes both near and far, thanks to the RS36's expanded working range and wide field of view.

The RS36 can also be equipped with **UHF RFID** read and write capabilities. It has an excellent high-speed reading rate of over **900 tags** per second, significantly increasing the efficiency of inventory management and asset tracking. This mobile computer also works with software like RFID Android SDK, EZConfig, and EZEdit.
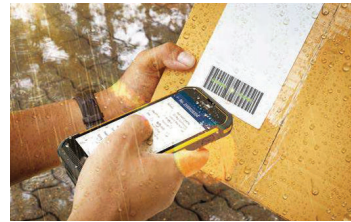
Seamless Connection Inside and Outside Your Facilities

Mobile workers often require timely access to up-to-date information in order to maximize efficiency. The RS36 empowers them with seamless Wi-Fi connectivity, built-in **Bluetooth 5.1**, and **Wi-Fi 6** technology for faster and more reliable network connections.

The RS36's 2×2 Multiple User Multiple Input Multiple Output (**MU-MIMO**) technology provides low latency and improves speed, efficiency, and security even in a dense environment with multiple connected devices.

With the RS36's 4G LTE connectivity, T&L drivers and field workers can efficiently access the network outdoors or off-site, keeping mobile frontline workers connected to crucial information anytime and anywhere.

Rugged Design Protection and Sunlight Readable Display

CipherLab's RS36 is designed for maximum functionality in any environment. The interface has a large 5.5" HD+ IPS screen with a brightness of **630 nits** and a panel that can be used with gloved fingers or a stylus. In addition, the device is protected from various hazards thanks to its ruggedized design. The RS36 can withstand repeated drops from a 1.5-meter height (1.8-meter with rubber boot) onto a concrete surface and remain undamaged.

The RS36 has **IP65** and **IP68** water/dust resistance, making it dependable in all environments. So even in rainy outdoor conditions, workers can still rely on the RS36. It also comes with Corning Gorilla Glass protection and a wide operating temperature range.

Fast Capture High-Res Photos With PDAF and Recognize Characters With OCR

The RS36's **16 MP** phase-detection autofocus (**PDAF**) color rear camera quickly captures high-resolution images for excellent image documentation, even in moving or dim light conditions, making it ideal for proof of delivery, proof of condition, onsite technical support, and more. Moreover, the 5 MP front camera enables users to communicate in a video for improved service and productivity.

The RS36 has Optical Character Recognition (**OCR**) software for directly reading characters marked on products and parts, such as serial numbers and expiration dates. With this feature, you can quickly read names and addresses in various applications, like warehousing and delivery. OCR eliminates typing errors and streamlines tasks.

Dependable Performance for Demanding Operations

The RS36's Qualcomm octa-core 2GHz CPU ensures exceptional speed, improved application performance, and reduced battery consumption. Users will enjoy smoother applications and web surfing. The device is also Android Enterprise Recommended (**AER**) and Google Mobile Services (**GMS**) verified, allowing you to utilize Google applications while maintaining a consistent user experience.

With **4GB/64GB** memory, the RS36 provides plenty of space for data storage and efficiently handles different workloads. Workers will also enjoy longer operation time with its standard 4000 mAh batteries and the extended 6000 mAh batteries. With the **hot-swap** function, the RS36 can be easily replaced with a fully-charged battery without turning off the device or exiting current apps.

Maximize Your CipherLab Gear to Make It a Total Solution

ReMoCloud

ReMoCloud is mobile device management software developed by CipherLab to efficiently manage remote devices over the internet. Administrators can use this to gain visibility into employee devices.

EnDeCloud

CipherLab's deployment tool provides mobile computer administrators with different options to manage configurations efficiently and according to their needs.

Management Tools

CipherLab's full-featured and enterprise-oriented tools help IT technicians or SI develop mobile device configuration projects for various needs.

Operation Tools

These tools enable field workers to work seamlessly and efficiently in a user-friendly Android interface.

An Enterprise Tool that Maximizes Work Efficiency Indoors and Outdoors

Slim and compact design

WiFi 6 **2x2 MIMO** **Bluetooth 5.1** Supports Wi-Fi 6, 2x2 MU-MIMO, and Bluetooth 5.1

UHF RFID Easily add UHF RFID reading capability by attaching RS36 onto its UHF RFID reader.

or

1D/2D barcode data capture. NFC and HF RFID capability.

2D IMAGER **NFC**

5.5" touch display provides a larger work surface and increases visibility

IP65 **IP68** Sunlight readable

One-piece battery

android Android 12 operating system, GMS certified

OCR recognizes numbers and characters printed on items.

16MP PDAF rear camera with LED flash

Touch panel welcomes input from stylus and fingers (bare, wet, and gloved)

5.5"

Quick-release hand strap saves time in battery replacement

Hot-swap function
Allows the device to stay operational during the battery replacement

RS36 / series

ANDROID 12 | **5.5" CAPACITIVE TOUCH PANEL** | **IP65** | **IP68** | **1.5M MUTIPLE DROPS** | **Advanced Range 2D IMAGER** | **NFC** | | | **2x2 MIMO** | **WiFi 6** | **LTE**

Performance	Operating System	Android 12 (GMS), upgradable to Android 14
	CPU	Qualcomm 4290 Octa-core 2GHz
	Memory	64GB UFS Flash / 4GB LPDDR4X RAM
	Expansion	Micro SD card slot with SDHC (up to 32GB) and SDXC (up to 2TB) support
	SIM	2 nano SIM/ 1 nano SIM and 1 eSIM (optional)
	Operating Power	Hot-swappable and rechargeable 3.85V, Li-ion 4000mAh , Extended battery: 6000mAh
	Working Hours[1]	12+ hours (standard battery), 18+ hours (extended battery)
	Alert	1 tri-color LED, 1 bi-color LED, vibrator
	Interface Supported	6-pin I/O & USB 3.1 Gen 1 Type-C with OTG
Wireless Communication	WWAN	EDGE/GPRS/GSM: 850/900/1800/1900 UMTS/HSPA+: B1/B2/B4/ B5/B6/B8 FDD LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/ B17/B19/B20/B25/B26/B28/B66 TDD-LTE: B38/39/40/41 Support VoLTE and Worldwide Band
	WLAN	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w, IEEE 802.11ax (WI-FI 6 model only)
	Additional WLAN Features	802.11r (fast roaming), 802.11 v/k (Voice-Enterprise), MU-MIMO 2x2 (Wi-Fi 6 model only)
	WPAN	*Bluetooth®* Class II, V5.1 dual mode, V2.1 with Enhanced Data Rate (EDR)
	GPS	GPS/A-GPS/GLONASS/Galileo/Beidou
Data Capture	Barcode Scanning	1D/2D imager (Standard range: SE4770; Advanced range SE5500)
	RFID Read / Write	HF RFID 13.56 MHz frequency which supports ISO14443A, ISO14443B, ISO15693, and Felica Support NFC (Peer-to-Peer, Card Reader, Card Emulation)
	Camera	Rear :16 megapixels PDAF with LED flash / Front:5 megapixels[2]
Physical Characteristics	Display	5.5'' HD+ 720 (W) x 1440 (H), Transmissive IPS LCD, outdoor visibility (630 nit), optically bonded Touch Panel
	Touch Panel	Corning® Gorilla® Cover Glass, Capacitive touch supports stylus, bare or gloved fingertip input multi-touch, allow water rejection and wet finger
	Interactive Sensor Technology	Light sensor, Proximity sensor, Motion sensor (Accelerometer, G-sensor), E-compass (Magnetometer), Gyroscope
	Keypad	1 programmable key, volume up and down keys, left and right trigger keys, power key
	Audio	Speaker (80 dB at 40 cm), microphones with echo and noise cancellation
	Size (LxWxH)	165 x 76.8 x 17.9 mm
	Weight	288 g (with battery)
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 (without battery)
	Humidity (non-condensed)	Operating 10% to 90% / Storage 5% to 95%
	Impact Resistance	IP65 & IP68, 500 tumbles at 0.5 m Standard: 1.5 m (5 ft.) multiple drops onto concrete, 6 drops on each side With rubber boot: 1.8 m (6 ft.) multiple drops onto concrete, 6 drops on each side
	Electrostatic Discharge	± 15 kV air discharge, ± 8 kV contact discharge
	Regularity Compliance	**LTE** : CE, FCC, IC, NCC, TBL, JRL, BIS, WPC, WEEE, RoHS, REACH, CA65, TSCA, BC, NrCAN, NBTC **WI-FI 6 ONLY** : SRRC, CCC, BSMI, NCC, CE, FCC, IC, WEEE, RoHS, REACH, CA65, TSCA, BC, NrCAN
Development Support		Android 12.0 SDK, HTML 5 API, Reader API (Java/Xamarin)
Application Software		ReMoCloud, EnDeCloud, ADC, WMDS, APPLock, Terminal Emulator, BT Printer Mate, Device Health, SIP Controller, Software Trigger, Signature Capture, EZEdit, CipherLab Assistant Service, Ping Tool, Wireless Initiator, IntelliWorker, Reader Config, Button Assignment, HF RFID Config, EZConfig, Enterprise Setting, Barcode To Setting, LogGen, Agility Intelligence, Cloud Message, EZcheck
Certified Application		ReMoCloud, EnDeCloud, SOTI MobiControl, VMware Workspace ONE, Ivanti Wavelink Velocity
Accessories		Charging and communication cradle, USB snap-on cable, Hand strap, Rubber boot, Pistol grip,4-slot battery charger, Multi-slot Terminal charging cradle[2], UHF RFID reader[2], Screen protector[2]
Warranty		1 year standard warranty

1.Minimum 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 a/b/g/n/ac on. The test is based on one broadcasting packet per second. **2.**Please contact us for availability.

ACCESSORIES

4-Slot
Battery Charger

Charging and
Communication Cradle

Snap-on Cable

Rubber Boot

Hand Strap

Shoulder Strap

UHF RFID Reader
(work with standard battery only)

Pistol Grip
(work with standard battery only)

5-Slot Terminal
Charging Cradle

Battery Charger with
Terminal Charging Cradle

Extended Battery