CIPHERLAB
Smarter




# RS36
series

# Superior Data Capture and Visibility Boosts All-day Workflow Efficiency



CipherLab's RS36, the successor to the RS35, is a durable, enterprise-class touch mobile computer featuring new scan engine options and enhanced functionality. Operating on Android 12 or Android 14, with future support to Android 14/16, it offers exceptional versatility and simplicity, reducing onboarding time and boosting productivity.

## Reliable Data Access and Communication for Frontline Workers

With advanced scanning capabilities, powerful processing, and an intuitive touchscreen, the RS36 ensures secure, reliable data connections and is built for rugged, off-site use. It also integrates seamlessly with CipherLab's mobile device management software, enabling efficient deployment and management. These features empower mobile workforces to achieve more in less time.






## Flexible Data Capture with Agile Performance

The RS36 supports 1D/2D barcode scanning, HF RFID, and NFC, with both standard and extended range options. It can be integrated with a UHF RFID reader to capture over 900 tags per second at 8+ meters. For short-range needs, the RS36 NUHF RFID reader handles 100 tags per second at up to 5 meters, enhancing inventory and asset tracking efficiency.



## Seamless Connection Inside and Outside Your Facilities

Mobile workers need timely access to information. The RS36 provides seamless Wi-Fi, Bluetooth 5.1, and Wi-Fi 6 for fast, reliable connections. Its 2x2 MU-MIMO tech ensures low latency in crowded environments, while 4G LTE keeps field workers connected to crucial data anywhere.



## Rugged Design Protection and Sunlight Readable Display

The RS36 features a 5.5" screen with 630 nits brightness, supporting gloves or stylus use. Its rugged design withstands 1.5-meter drops (1.8 meters with rubber boot) onto concrete. With IP65/IP68 water and dust resistance, it's reliable in tough environments, including rainy conditions. It also has Corning Gorilla Glass and a wide operating temperature range.



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

The RS36's 16MP PDAF rear camera captures sharp images quickly, even in low light or motion, ideal for proof of delivery and condition checks. The 5MP front camera enables video communication for enhanced service. Its OCR capability allows reading characters like serial numbers and expiration dates, streamlining tasks and reducing typing errors in warehousing and delivery.

## Dependable Performance for Demanding Operations

android enterprise recommended

The RS36's Qualcomm octa-core 2GHz CPU offers exceptional speed, enhanced app performance, and lower battery consumption. It supports smoother applications and web browsing, and is Android Enterprise Recommended (AER) and Google Mobile Services (GMS) verified. With 4GB/64GB memory, it handles data efficiently. The device features 4000 mAh or 6000 mAh batteries and a hot-swap function for seamless battery replacement.

## 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.

RS36 series

# 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.



Android 12 operating system, GMS certificated



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)








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





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 1D/2D 2D IMAGER | NFC | 2x2 MIMO | WiFi 6 | LTE

| | | |
|---|---|---|
| Performance | Operating System | Android 12 or 14 (GMS), Upgradeable to Android 14 / 16 |
| | CPU | Qualcomm 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<br>UMTS/HSPA+: B1/B2/B4/ B5/B6/B8<br>FDD LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/ B17/B19/B20/B25/B26/B28/B66<br>TDD-LTE: B38/39/40/41<br>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[3] | GPS/A-GPS/GLONASS/Galileo/Beidou |
| Data Capture | Barcode Scanning | 1D/2D imager (Standard range: SE4100/SE4770; Advanced range SE5500) |
| | RFID Read / Write | HF RFID 13.56 MHz frequency which supports ISO14443A, ISO14443B, ISO15693, and Felica<br>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 | 288g (with 4000mAh battery) / 319g (with 6000mAh battery) |
| User Environment | Operating Temperature[4] | -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<br>With extended battery: 1.5m multiple drops (36 times), 500 tumbles.<br>With standard battery: 1.5m multiple drops (36 times) & MIL-810H multiple drops (26 times), 1500 tumbles.<br>With rubber boot: 1.8m (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<br>**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.
3. GPS function is only available for WWAN models.
4. Please note: RS36 should not be used in environments with significant temperature fluctuations, such as frequent entry and exit from refrigerators or buffer zones. If used in such conditions, it is recommended to use a specialized cold storage device.
5. The Android version is subject to technical feasibility confirmed by Qualcomm.

## 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

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