CIPHERLAB
Smarter

RS38
series

android enterprise recommended

Excelling in Harsh Environments

With IP65 and IP68 ratings and drop resistance of 1.5 meters (1.8 meters with rubber boot), the RS38 is engineered to excel in demanding environments without sacrificing sleek, ergonomic design. It can withstand accidental drops and provide peace of mind to workers in rainy conditions, in the field, or in dusty warehouses.

Comfortable Mobility and Uninterrupted Operation

The RS38 delivers a compact and lightweight design, providing comfortable carry for mobile workers during their shifts. Offering two battery options - standard 4500 mAh and extended 6800 mAh - along with hot-swap capability, it safeguards against data loss or operational interruptions. With over 14 hours of operating time, the RS38 ensures continuous workflow for frontline workers.

Efficient Viewing and Operating While on Duty

The large 6-inch touchscreen, with a bright 630-nit display, facilitates viewing more information without the need for continual scrolling, even in bright light. It supports stylus, bare hand, or gloved operation, and remains functional in rainy conditions, ensuring frontline and delivery workers can work without interruptions.

Efficient Device Deployment and Management with ReMoCloud

ReMoCloud supports Google Zero-touch enrollment for large-scale deployment. Simply scan the barcode for swift device setup. Its Geofencing* capability helps IT managers locate misplaced or stolen devices, protecting critical information and assets. Additionally, its Remote Control feature empowers IT managers to remotely diagnose and troubleshoot devices, reducing support costs and enhancing overall device availability.

*Geofencing is only available for WWAN models.

Unmatched Performance and Connectivity Indoors and Outdoors

Experience exceptional performance with the Qualcomm® QCM4490 octa-core processor, empowering frontline workers to manage demanding and multitasking applications with ease. Enjoy up to 8 GB of RAM, 128 GB of flash storage, and expandable storage options through a MicroSD card slot. With Wi-Fi 6E and 5G, mobile workers benefit from faster speeds, while support for CBRS private networks enables private and geographically restricted LTE/5G connectivity in large indoor and outdoor facilities.

High-Speed UHF RFID Reader Boosts Efficiency

The RS38 offers an optional UHF RFID reader, capable of reading an impressive 1300 tags per second. This feature is advantageous for retail, logistics, and delivery workers, enabling them to streamline tasks such as inventory management, asset tracking, and real-time item location tracking.

Built-in OCR Technology Optimizes Workflows and Minimizes Errors

The RS38's OCR technology captures and converts text into digital data, optimizing logistics and retail operations. It effectively captures data from various sources, such as logistics documents, tire identification numbers (TIN), expiry dates, driver's licenses, and utility meters, reducing manual errors and enhancing data accuracy. With its multiple data capture methods, the RS38 significantly enhances work productivity and efficiency.

Versatile Scanning Options and High-Quality Imaging

The RS38 offers three scanning options: standard range SE4100 and SE4770, or advanced range SE5500, catering to different scanning requirements, whether for close-up or long-range scanning, over 12 meters away*. Moreover, equipped with a 16 MP PDAF camera, it excels at capturing sharp, detailed images even in challenging low-light or fast-moving conditions, making it perfect for documenting proof of delivery, condition, and other related purposes.

*depending on symbology type and size.

RS38 series

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Dynamic Data Collection Meets Intelligent Connections

CipherLab's RS38 touch mobile computers, engineered with the latest wireless technologies such as 5G, Wi-Fi 6E, and CBRS, ensure swift access to essential information for mobile workers in logistics, retail, and other industries. With a large 6-inch screen, workers can view more content on a single screen while scrolling less. Thanks to advanced manufacturing techniques, the RS38 is thinner, lighter and yet tougher, meeting the demands of dynamic work environments.

The RS38 utilizes the latest processor and memory technologies to deliver high performance with planned support for Android 13 through version 18. CipherLab's ReMoCloud™ optimizes operations, enhancing frontline worker productivity and simplifying IT management across the device lifecycle.

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Android 13 (upgradable to Android 18)
GMS certified

Versatile reader options,
standard-range and advanced-range
2D imagers for various reading distances.

Support 5G,Wi-Fi 6E,
2x2 MU-MIMO and
Bluetooth 5.2 for fast
data transfer

16MP PDAF camera
for crispimaging and
quick focus

6” and 630-nit
sunlight-readable
display

OCR capabilities for
automatic text capture

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

Hot-swappable 4500/6800 mAh battery
supports full-shift operation

Simply connect the RS38 with its UHF RFID
reader to enable UHF RFID capability

Min.395

Lightweight design
for all-day comfort

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Performance	Operating System[5]	Android 13 (GMS) upgradable to Android 18
	CPU	Qualcomm QCM4490 Kryo Octa-core CPU 2.4 GHz
	Memory	8 GB LPDDR5 SDRAM/128 GB UFS3.1 ROM
	Expansion	MicroSD Card Slot x1 , SDHC up to 32GB, SDXC up to 1TB
	SIM	1 Nano SIM/ 1 eSIM
	Operating Power	Hot-swappable and rechargeable Li-ion 4500mAh, Extended battery 6800mAh
	Working Hours[2]	14+ hours (standard battery) , 21+ hours (extended battery)
	Fast Charging[1]	Standard battery 2 hours form 0% to Full Capacity Extended battery 3 hours form 0% to Full Capacity
	Alert	1 tri-color LED, 1 bi-color LED, vibrator
	Interface Supported	8-pin I/O & USB 3.1 Gen 1 Type-C with OTG
Wireless Communication	WWAN (RS38 Only)	GSM:850/900/1800/1900 WCDMA : B1,B2,B4,B5,B6,B8, LTE:B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B38/B39/B40/B41/B42/B43/B48/B66/B71 5G-NR FR1:n1/n2/n3/n5/n7/n8/n12/n13/n14/n20/n25/n26/n28/n29/n30/n34/n38/n39/n40/n41/n48/n66/n71/n77/n78/n79 Supports private networking (LTE/5G)
	WLAN	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax, support fast roaming DBS(Dual Band Simultaneous Support), WiFi6E(802.11ax), MU-MIMO2x2 .
	WPAN	Bluetooth® 5.2, Class 2, V2.1 Enhanced Data Rate(EDR), V4 .2 Bluetooth Low Energy (BLE)
	GPS [3]	GPS , GLONASS, Galileo, Beidou, QZSS, Dual-Band GNSS, a-GPS, supports XTRA
Data Capture	Barcode Scanning	1D/2D Imager(Standard Range SE4100/SE4770; Advanced Range SE5500)
	RFID Read / Write	Full tags support base on NFC forum, ISO14443A&B, FeliCa, ISO15693 Support NFC (Peer-to-Peer, Card Reader, Card Emulation)
	Camera	Rear 16 Megapixels PDAF with LED flash / Front: 8 Megapixels fixed focus
Characteristics	Display	6" FHD + 1080(W) x 2160(H) / Outdoor visibility,630 nits (typ),optically bonded touch Panel
	Touch Panel	Corning® Gorilla® Victus, Two-mode supports glove and wet finger. Capacitive touch supports stylus, bare or gloved fingertip input multi-touch, allow water rejection and wet finger. Anti-fingerprint coating.
	Interactive Sensor Technology	Light sensor, Proximity sensor, Motion sensor (Accelerometer, G-sensor), E-compass (Magnetometer, Barometer), Gyroscope
	Keypad	1 programmable key, volume up and down keys, left and right trigger keys, power key
	Audio	Dual Speaker (85dB at 40cm), 3 microphones with echo and noise reduction
	Size (LxWxH)	165.4 x 78.5 x 15 mm
	Weight [4]	268g (with 4500mAh battery)/ 315g(with 6800mAh battery)
	Operating Temperature	-20°C to 50°C / -4°F to 122°F
User Environment	Storage Temperature Humidity(non-condensed)	-30°C to 70°C / -22°F to 158°F (without battery) Operating 10% to 90% / Storage 5% to 95%
	Impact Resistance	IP65 & IP68,1000 tumbles at 0.5 m;1000 tumbles at 1 m with rubber boot, Standard: 1.5 m (5 ft.) multiple drops to tile over concrete per MIL STD 810H With rubber boot : 1.8 m (6 ft.) multiple drops to concrete over room temperature per MIL STD 810H
	Electrostatic Discharge	±15 kV air discharge,± 8 kV contact discharge
	Regulation Compliance	RS38 (5G) : CE, FCC, IC, NCC, TBL, JRL, BIS, WPC, WEEE, RoHS, REACH, CA65, TSCA, BC, NrCAN, NBTC RS38WO (Wi-Fi 6 Only) : SRRC, CCC, BSMI, NCC, CE, FCC, IC, WEEE, RoHS, REACH, CA65, TSCA, BC, NrCAN
Development Support	Android 13.0 SDK, HTML 5 API, Reader API (Java/Xamarin/.NET MAUI)	
Application Software	Reader Config, Terminal Emulation, Button Assignment, Device Health Dashboard, LogGen, AppLock, BT Printer Mate, A-Demo, Signature Capture, HF RFID, Configuration, Ping Tool, Software Trigger key, Enterprise Settings, SIP Controller, BarcodeToSetting, EZConfig, Ezedit, Chrome, OCR	
Certified Application	SOTI MobiControl, AirWatch, Ivanti, ReMoCloud, EnDeCloud	
Accessories	Single charging cradle, Workstation Cradle, 4-slot battery charger, 4-slot battery and 4 terminal charger, 5-slot terminal charger, Hand strap, Rubber boot, Screen protector, Shoulder strap, Pistol grip, UHF RFID reader, Extended battery,Belt holster	
Warranty	1-year standard warranty	

1. Charger/Cable must have QC 4.0 or PD 3.0 above certification. 2 hours Fast Charging time from 0% to Full Capacity (standard battery) with above 27W QC/PD adapter. 3 hours Fast Charging time from 0% to Full Capacity (extended battery) with above 27W QC/PD adapter.
2. 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.
3. GPS function is only available for WWAN models.
4. May be different with variant hardware configurations.
5. The Android version is subject to technical feasibility confirmed by Qualcomm.

Accessories

Single charging cradle

Workstation Cradle

4-slot battery charger

4-slot battery and 4 terminal charger

5-slot Terminal charger

Hand Strap

Rubber Boot

Screen protector

Shoulder strap

Pistol grip

UHF RFID Reader

Extended Battery

Belt Holster

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