CipherLAB

RS38: Enterprise Smartphone, advanced 2D imager, Android 13, WiFi6E, LTE/5G, GPS, GMS

The CipherLab RS38 is a touchscreen mobile computer with advanced scanning and reading capabilities. It is built on the Android 13 platform with guaranteed future upgradeability up to Android 18. Launch price, one customer can order 1 unit only.

The user-friendly interface of the CipherLab RS38 mobile computer shortens the learning and training process. The RS38 offers advanced 1D and 2D barcode scanning capabilities, HF RFID functionality and contactless NFC applications. It features a powerful processor, high-speed camera, Wi-Fi 6E connectivity with dual-band simultaneous connection (DBS), 5G wireless technology, Bluetooth 5.2 and a rugged design with IP65 and IP68 ratings.

CipherLab RS38 is suitable for mobile workers and frontline employees. Its capabilities also include OCR solutions for reading characters on products and parts, such as serial numbers and expiration dates. All this contributes to efficiency and accuracy in areas such as logistics, public transport, retail and more.

Key features of the CipherLab RS38 mobile computer

- 8 GB & 128 GB memory size
- fast Octa-Core 2.4 GHz processor
- 6" FHD touch screen
- WiFi 6E with dual-band simultaneous connection (DBS) support on all models
- LTE/5G wireless connectivity
- 2D & QR code scanner, HF RFID & NFC reader
- 2D imager option with long read range (up to 14 meters)
- Optical Character Recognition (OCR) software for directly reading characters marked on products and parts

- [hot-swap feature for battery replacement](#)
- [AER (Android Enterprise Recommended) certification](#) and Android Silver Partner certification

The offered price is valid for orders until 29/04/2024, you can order a maximum of 1 piece (for resellers a maximum of 3 pieces).

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Technical Description

Functionality & Operation

Operating system	Android 13
Wireless communication	5G, Bluetooth®, EGPRS, EDGE, GPRS, GPS, GSM, LTE, NFC, WCDMA, WiFi 6
WWAN Features	5G, GSM/GPRS/EDGE: Quad band 850 / 900 / 1800 / 1900 MHz, LTE 800/900/1800/2100/2600 MHz, WCDMA 2100MHz
Operation interface	color touch LCD panel, ON/OFF, volume up and down keys, programmable buttons, scan button
Data memory	128GB UFS 3.1 ROM
Program memory	8GB LPDDR5 SDRAM
Expansion slot	Micro SD Card (SDXC), Nano SIM slot
1D Barcode Symbologies	All standard one-dimension barcodes
2D Code Symbologies	all standard 2D-Codes, OCR
Display type	6'' FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Panel
RFID transponder protocols	ISO 14443A, ISO 14443B, ISO 15693, FeliCa
WPAN Features	Bluetooth® v5.2 Dual mode (2.1+EDR / BLE)
Audio	stereo headset jack, 3x microphone with echo and noise cancellation, 2x speaker
CPU Type	Qualcomm QCS4490 Kryo Octa-Core 2.4 GHz
Touch-screen panel	capacitive multi-touch , supports stylus, bare or gloved finger, water rejection and wet finger
Indicators	1 tri-color LED, 1 bi-color LED, vibrator
Communication interface	802.11 a/b/g/n/ac/d/h/i/r/k/v/w/ax dual band, MU-MIMO 2x2, NFC, USB, WLAN (WiFi), LTE/5G, Audio
WLAN Features	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/ax, DBS (Dual Band Simultaneous), WiFi 6E, MU-MIMO 2x2
GPS navigation	a-GPS, BeiDou, Galileo, GLONASS, GPS, GNSS dual-band, XTRA, QZSS

Optical

Bar code scanner	Advanced Long 2D Imager
Depth of scan field	4 cm ~ 1400 cm
Camera	16 MPix, with Autofocus, with LED flash
Sensors	accelerometer, e-compass, gyroscope, magnetometer, proximity sensor, light sensor

Electrical

Main battery pack	Rechargeable Li-Po battery 4500 mAh, Hot-Swap
Main battery pack operating time	15 hrs (fast charging 2 hod)

Mechanical

Dimensions	Width: 78.5mm, Height: 165.4mm Length: 15mm
Weight	268g (include battery)

Environment

Electrical static discharge	±15kV air, ±8kV contact
Shock resistance	MIL STD 810H, multiply drops from 1,5 m onto concrete surface, 500 tumbles at 0,5 m
Operating temperature	-20 to 50°C
Storage temperature	-30 to 70°C
Operating humidity (non-condensing)	10 to 90%
Storage humidity (non-condensing)	5 to 95%

Ingress protection	IP65, IP68

Others

Certifications	AER (Android Enterprise Recommended), ASP (Android Silver Partner), CE, FCC, IC, ISO 14443A, ISO 15693, NCC, TBL, JRL, BIS, REACH, RoHS, WPC, TSCA, CA65, BC, NrCAN, NBTC, SRRC, WEEE, CCC, BSMI