



# 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
- <u>AER (Android Enterprise Recommended) certification</u> 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).

### YOUTUBE='CTibZeMQLW8'





















## **Technical Description**

Storage humidity (non-condensing)

5 to 95%

Operating system         Android 13           Wireless communication         5G, Bluetooth®, EGPRS, EDGE, GPRS, GPS, GSM, LTE, NFC, WCDMA, WiF i6           WWAN Features         5G, SMMCPBS/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         1286B UFS 3.1 ROM           Program memory         86B LPDORS 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°FID+ 1880(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Panel           RRDI transponder protocols         Bluetooth® v-5.2 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/l/r/k/w/wax, dual band, MU-MIMO 2x2, NFC, USB, WLAN (WIF), LTE/SG, Audio           <	Functionality & Operation	
WWAN Features         5G, GSM/GPRS/EDEE: Quad band 850 / 900 / 1800 / 1900 MHz, LTE 800/900/1800/2100/2600 MHz, WCDMA 2100MHz           Operation interface         color touch LCD panel, OWOFF, volume up and down keys, programmable buttons, scan button           Data memory         128GB UFS 3.1 ROM           Expansion slot         Micro SD Card (SDXC), Nano SIM slot           LD Barcode Symbologies         All standard one-dimension barcodes           DI Sploy type         6"FIPb + 1080/W x 2160(H), Coming® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Panel           RFID transponder protocols         ISO 14443A, ISO 14443B, ISO 15693, Felica           WPAN Features         Bluenooth® v5.2 Dual mode (2.1+EDR / BLE)           Audio         stereo headset jack, 3x microphone with echo and noise cancellation, 2x speaker           CPU Type         Qualcomm QC54490 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/bi/gin/ac/di/hi/rik/wiw/wax, DBS (Dual Band Simultaneous), Wifi 6f, MU-MIMO 2x2           Optical         Bar code scanner         Advanced Long 2D Imager           Depth of scan field         4 cm - 1400 cm           Camera         Advanced Long 2D Imager           Bertickia	Operating system	Android 13
Operation interface color touch LCD panel, ON/OFF, volume up and down keys, programmable buttons, scan button Data memory 128GB LFDDRS 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 PFHDP 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® v.5.2 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/nacd/sh/tit/k/w/wax, DBS (Dual Band Simultaneous), WiFi 6E, MU-MIMO 2x2  GPS navigation 3 cGPS, BelDou, Galleo, 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  Micro St.	Wireless communication	5G, Bluetooth®, EGPRS, EDGE, GPRS, GPS, GSM, LTE, NFC, WCDMA, WiFi 6
Data memory 128GB LPS 3.1 ROM Program memory 86B LPDR5 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 1tri-color LED, 1 bi-color LED, vibrator  Communication interface 802.11 a/b/gn/ac/d/h/li/rk/w/wax dual band, MU-MIMO 2x2, NFC, USB, WLAN (WFI), LTE/SG, Audio  WLAN Features 1EEE 802.11 a/b/gn/ac/d/h/li/rk/w/wax, DBS (Dual Band Simultaneous), WiFi 6E, MU-MIMO 2x2  GPS navigation aGPS, BelDou, Galileo, GLONASS, GPS, GNSS dual-band, XTRA, QZSS  Optical  Bar code scanner Advanced Long 2D Imager  Depth of scan field 4cm = 1400 cm  Camera 16MPix, 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	WWAN Features	
Program memory 86B LPDRS 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 Simplay (97 HPD+ 1089(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 Sylus, bare or gloved finger, water rejection and wet finger indicators 1tri-color LED, 1bi-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/SG, Audio WLAN Features 1EEE 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 agPS, BelDou, Gallieo, GLONASS, GPS, GNSS dual-band, XTRA, QZSS  Optical  Bar code scanner Advanced Long 2D Imager  Depth of scan field 4cm - 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	Operation interface	color touch LCD panel, ON/OFF, volume up and down keys, programmable buttons, scan button
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 SP 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W) x 2160(H), Corning® Gorilla® GG7, outdoor visibility (630 nit), optically bonded Touch Parallel Sp 6F FHD+ 1080(W)	Data memory	128GB UFS 3.1 ROM
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 Plot transponder protocols 150 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 80.2.11 a/b/g/n/ac/d/h/i/r/k/v/w/ax, DBS (Dual Band Simultaneous), WiFi 6E, MU-MIMO 2x2 GP5 navigation a-GPS, BeiDou, Gallieo, 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 MPbs, 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  Methanical  Dimensions Width: 78.5mm, Height: 165.4mm Length: 15mm	Program memory	8GB LPDDR5 SDRAM
2D Code Symbologies all standard 2D-Codes, OCR  Display type S'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/l/r/k/v/wax dual band, MU-MIMO 2x2, NFC, USB, WLAN (WiFi), LTE/5G, Audio  WLAN Features IEEE 802.11 a/b/g/n/ac/d/h/l/r/k/v/wax, DBS (Dual Band Simultaneous), WiFi 6E, MU-MIMO 2x2  GPS navigation a-GPS, BelDou, Gallieo, 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  Mechanical  Dimensions Width: 78.5mm, Height: 165.4mm Length: 15mm	Expansion slot	Micro SD Card (SDXC), Nano SIM slot
Display type	1D Barcode Symbologies	All standard one-dimension barcodes
RFID transponder protocols  RFID transponder protocols  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/l/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/l/r/k/v/w/ax, DBS (Dual Band Simultaneous), WiFi 6E, MU-MIMO 2x2  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  Pechanical  Dimensions  Width: 78.5mm, Height: 165.4mm Length: 15mm	2D Code Symbologies	all standard 2D-Codes, OCR
WPAN Features 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/l/r/kv/w/ax dual band, MU-MIMO 2x2, NFC, USB, WLAN (WiFi), LTE/5G, Audio WLAN Features 1EEE 802.11 a/b/g/n/ac/d/h/l/r/kv/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 4cm - 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	Display type	
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 1EEE 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 4cm ~ 1400 cm  Camera 16 MPix, with Autofocus, with LED flash  Sensors accelerometer, e-compass, gyroscope, magnetometer, proximity sensor, light sensor  Electrical  Main battery pack operating time 15 hrs (fast charging 2 hod)  Mechanical  Dimensions Width: 78.5mm, Height: 165.4mm Length: 15mm	RFID transponder protocols	ISO 14443A, ISO 14443B, ISO 15693, FeliCa
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 operating time 7 the strength of the strength	WPAN Features	Bluetooth® v5.2 Dual mode (2.1+EDR / BLE)
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	Audio	stereo headset jack, 3x microphone with echo and noise cancellation, 2x speaker
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	CPU Type	Qualcomm QCS4490 Kryo Octa-Core 2.4 GHz
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 operating time 15 hrs (fast charging 2 hod)  Mechanical  Dimensions Width: 78.5mm, Height: 165.4mm Length: 15mm	Touch-screen panel	capacitive multi-touch , supports stylus, bare or gloved finger, water rejection and wet finger
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	Indicators	1 tri-color LED, 1 bi-color LED, vibrator
GPS navigation a-GPS, BeiDou, Gallieo, 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	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
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 Wain battery pack   Main battery pack operating time 15 hrs (fast charging 2 hod)   Mechanical Dimensions   Width: 78.5mm, Height: 165.4mm Length: 15mm	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
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	GPS navigation	a-GPS, BeiDou, Galileo, GLONASS, GPS, GNSS dual-band, XTRA, QZSS
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	Optical	
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	Bar code scanner	Advanced Long 2D Imager
Sensors accelerometer, e-compass, gyroscope, magnetometer, proximity sensor, light sensor  Flectrical  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	Depth of scan field	4 cm ~ 1400 cm
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	Camera	16 MPix, with Autofocus, with LED flash
Main battery pack Main battery pack operating time  15 hrs (fast charging 2 hod)  Mechanical  Dimensions  Width: 78.5mm, Height: 165.4mm Length: 15mm	Sensors	accelerometer, e-compass, gyroscope, magnetometer, proximity sensor, light sensor
Main battery pack operating time 15 hrs (fast charging 2 hod)  Mechanical  Dimensions Width: 78.5mm, Height: 165.4mm Length: 15mm	Electrical	
Mechanical  Dimensions Width: 78.5mm, Height: 165.4mm Length: 15mm	Main battery pack	Rechargeable Li-Po battery 4500 mAh, Hot-Swap
Dimensions Width: 78.5mm, Height: 165.4mm Length: 15mm	Main battery pack operating time	15 hrs (fast charging 2 hod)
	Mechanical	
Weight 268g (include battery)	Dimensions	Width: 78.5mm, Height: 165.4mm Length: 15mm
	Weight	268g (include battery)
Environment	Environment	
Electrical static discharge ±15kV air, ±8kV contact	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	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	Operating temperature	-20 to 50°C
Storage temperature -30 to 70°C	Storage temperature	-30 to 70°C
Operating humidity (non-condensing) 10 to 90%	Operating humidity (non-condensing)	10 to 90%

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

CODEWARE, s.r.o. Jaromírova 484/37 120 00 Praha 2 - Nusle IČ: 61061395, DIČ: CZ61061395

+420 222 562 444 codeware@codeware.cz https://www.codeware.cz/



