CIPHER LAB
Smarter

RS38 series
Touch Mobile Computer

android
enterprise
recommended

RS38 / series

ACVENTIS

ANDROID 13 | 6" CAPACITIVE TOUCH PANEL | 5G | IP65 | IP68 | 1.5M MULTIPLE DROPS | Advanced Range 2D IMAGER | NFC

Category		Specification
Performance	Operating System	Android 13 (GMS) upgragable to Android 18
	CPU	Qualcomm QCM4490 Kryo Octa-core CPU 2.4 GHz
	Memory	8GB LPDDR5 SDRAM/128GB UFS3.1 ROM
	Expansion	Micro SD Card Slot x1 , SDHC up to 32GB, SDXC up to 1TB
	SIM	1 Nano SIM/ 1 eSIM
	Operating Power	Hot-swappable and rechargeable Li-Polymer 4500mAh, Extended battery 6800mAh
	Working Hours[1]	15+ hours (standard battery) , 22+ hours (extended battery)
	Fast Charging[2]	Standard battery 2 hours from 0% to Full Capacity Extended battery 3 hours from 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	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 Apple VAS certified Support NFC (Peer-to-Peer, Card Reader, Card Emulation)
	Camera	Rear 16 Megapixels PDAF with LED flash / Front: 8 Megapixels
Characteristics	Display	6"FHD+ 1080(W) x 2160(H) / Outdoor visibility (630 nits), optically bonded Touch Panel
	Touch Panel	Corning® Gorilla® GG7, 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	-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 With rubber boot: 1.8 m (6 ft.) multiple drops to concrete over room temperature per MIL STD 810H; Standard: 1.5 m (5 ft.) multiple drops to tile over concrete per MIL STD 810H
	Electrostatic Discharge	± 15 kV air discharge, ± 8 kV contact discharge
	Regulation 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 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, Single charging and communication 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. 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. 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.
3. GPS function is only available for WWAN models.
4. Maybe different with variant hardware configurations.

ACCESSORIES

Single charging cradle | Single charging and communication 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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