



RK96

series





Android 15 (Upgradable to Android 18)



Support **Wi-Fi 7**, **2x2 MU-MIMO** and **Bluetooth 6.0** for fast data transfer and minimized connectivity disruptions

Bright LEDs on the sides for clear status indicators

Larger, tactile keys with wider spacing for glove-friendly input

Key Size :

- Fn key size **+21%**
- Numeric key size **+4%**

Key Spacing :

- Vertical Spacing **+13%**
- Horizontal spacing **+32%**

*Upgrade from legacy RK95 series devices

38/41/47/53 Keypad Options

Versatile keypad options available for various applications, while ensuring consistent user behaviors



38 Key

41 Key

47 Key

53 Key

Exceptional scanning up to 29 meters



TPU bumper shield protects the reader and E-Ink display

E-Ink displays essential information, allowing for easily identifying mobile devices and asset management



Taller design enhances grip and boosts impact resistance



Ergonomic grip fits between thumb and index finger for a stable, non-slip hold and easy-touch control



Intuitive pistol grip handle design, enhancing directional accuracy and comfort





Empowering Next-Gen Wireless Applications

Powered by Qualcomm's Q-6690 processor, the RK96 with Wi-Fi 7 delivers seamless roaming, ultra-fast data transfer, and minimized connectivity disruptions across large warehouses. Bluetooth 6.0 support connects scanners, wearables, and sensors into a unified IoT ecosystem, streamlining workflows and boosting productivity.

Larger and More Accurate Keypads for Enhanced Hands-On Efficiency

The RK96's enlarged, ergonomically designed keypad enhances accuracy and comfort. With larger keys and wider spacing, users experience fewer mis-presses and smoother input — even with gloves on. Improved tactile feedback ensures faster, more intuitive data entry, keeping every task effortless and efficient.



Enhanced Asset Management and User Identity

Operators' mobile devices frequently move through various zones, making traceability a challenge. An E-Ink Display on the back can provide clear, essential information while consuming minimal power, making it perfect for asset management and personal identification in mobile devices.

Accelerating Data Entry and Digitalization with Pic 'n Fill OCR

This future-ready platform supports advanced software and edge AI development. CipherLab's Pic 'n Fill™ OCR utilizes Edge AI technology to rapidly capture text images and convert them into machine-readable data, automatically filling forms in the backend and improving digitization speed and efficiency.



Smart Android Management with Faster Deployment and Broader Reach

ReMoCloud Express, a cloud-native mobile device management platform, allows enterprises to efficiently manage Android and IoT devices on a large scale. With broad device compatibility, offline geofencing, remote troubleshooting, and no need for on-site servers, it is designed for secure, high-volume enterprise deployments.



Performance	Operating System	Android 15 (GMS and AER certified), Upgradable to Android 18*1
	CPU	Qualcomm Q-6690 Octa-core, up to 2.9GHz, Edge AI enabled
	Memory	128GB FLASH / 8GB RAM
	Expansion	Micro SD Slot With SDHC (up to 32 GB) and SDXC (up to 2TB) Support
	Operating Power	Standard Rechargeable Li-Ion: 3.635V, 7000mAh (25.45 Wh); Hot swap battery backup with temporary session persistence
	Working Hours ²	Standard: Min. 14 working hours
	Alert	LED indicators for RF, charging status, scanning status 2 rectangle LED at sides / Haptic feedback vibration / Speaker with smart amplifier driver
	Interface Supported	USB 3.1 Gen 1 Type-C / USB 2.0 with OTG
Wireless Communication	WLAN security	WEP, WPA (PSK, TKIP), WPA2 (AES, PSK), WPA-1X (TKIP, EAP-TLS, PEAP), WPA2-1X (AES, EAP-TLS, PEAP), 802.1x (EAP-TLS, PEAP), AES-CCMP, WPI-SMS4, WPS2.0, WAPI, EAP-TTLS (PAP, MSCHAP, MSCHAPv2), PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC and LEAP, EAP-PWD
	WLAN	IEEE 802.11 a/b/g/n/ac/ax/be/d/h/i/r/k/v/w ; Wi-Fi 7 (802.11be), IPv4, IPv6, 2x2 MU-MIMO
	Additional WLAN Features	802.11r (fast roaming), 802.11 v/k (Voice-Enterprise), dual-band simultaneous(DBS), high-band simultaneous(HBS), tri-band 2.4GHz/5GHz/6GHz Multi-Link Operation (MLO) and eMLSR 320 MHz
	WPAN	Bluetooth® Class II, V6.0 dual mode, V2.1 with Enhanced Data Rate (EDR); BLE long range
Data Capture	Barcode Scanning	Standard: 2D Imager/ Extended-Range 2D imager
	Camera	Rear: 16 megapixels PDAF with LED flash and Optical Image Stabilization (OIS) / Front : 5 megapixels
	NFC	Supports ISO14443A, ISO14443B, ISO15693, Mifare, Felica (Peer-to-Peer, Card Reader, Card Emulation)
Physical Characteristics	Display	4.3" WVGA color display, Capacity Touch supports bare/wet/gloved finger and stylus inputs, Corning Gorilla Glass
	E-ink Display	1.3" e-INK 144x200 pixel; display color: Red/Yellow/Black/White
	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, E-compass, Gyroscope, Temperature sensor for Cold Storage
	Keypad	38-Key/41-Key Numeric/Function Keypads, 47-Key/53-Key Alphanumeric Keypads with LED backlight
	Voice and Audio	PTT voice ; Speaker, Microphones with noise reduction and echo cancellation, Bluetooth® headset
	Size (LxWxH)	227.6 mm x 79.8 mm x 43 mm (terminal) / 227.6 mm x 79.8 mm x 167.5 mm (Gun type)
User Environment	Weight	Standard: 538.2 g (7000 mAh) with 2D imager
	Operating temperature	Standard: -20°C to 50°C / -4°F to 122°F
	Storage Temperature	-30°C to 70°C / -22°F to 158°F
	Humidity (Non-Condensed)	Operating 5% to 95% / Storage 5% to 95%
	Impact Resistance	IP65 / 1000 (1 m) Tumbles Standard: 1.8 m / 2.4 m with Rubber Boot, multiple drops onto concrete (MIL-STD-810G), crossing operating temperature
	Electrostatic Discharge	± 15 kV Air Discharge, ± 8 kV Contact Discharge
	Regulatory Compliance	FCC / BC / CA65 / TSCA / NCC / BSMI / CE / WEEE / RoHS / REACH / Erp / BIS / WPC / IC / NRCAN / RCM (the regulatory compliance for WWAN model is available on request, NRE and MOQ may apply)
Development Support	CipherLab API and Android 15 Standard API	
Application Software	Reader Config, Terminal Emulation, Button Assignment, Device Health Dashboard, LogGen, AppLock, A-Demo, Configuration, Ping Tool, Software Trigger key, Enterprise Settings, SIP Controller, BarcodeToSetting, Pic 'n Fill™ OCR	
Certified Application	SOTI MobiControl, Omnisia Workspace ONE (Vmware AirWatch), Ivanti, ReMoCloud, ReMoCloud Express, EnDeCloud, StayLinked, Springdel	
Accessories ³	Snap-on Cable (USB), Pistol Grip, Rubber Boot, 4-slot Battery Charger, 5-slot Terminal Charging Cradle, 20-slot Battery Charger, Multi-slot Charging Cradle with Battery Charger, Charging and Communication Cradle, Hand Strap, Shoulder Strap, Belt Holster, Pistol Grip Strap	
Warranty	1 year	

- The Android version is subject to technical feasibility confirmed by Qualcomm. Please contact us for availability.
- Minimum 14 hours. 2D imager scanning every 20 seconds, LCD at 50% backlight, and speaker on (default volume) at 25°C, Bluetooth® off / WLAN 802.11 a / b / g / n / ac on. The test is based on one broadcasting packet per second.
- Compatible with RK95 series accessories, except for the new development.
- Product specifications are subject to change without prior notice.

ACCESSORIES



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