RT-K12

Rugged Industrial Android Tablet

Raywell RT-K12 – Rugged Industrial Android Tablet

The Raywell RT-K12 is a next-generation rugged tablet engineered for the toughest industrial environments. Powered by **Android 12**, it delivers a modern, secure, and user-friendly operating platform optimized for enterprise mobility. The combination of Raywell's industrial design and advanced hardware ensures reliable performance across logistics centers, factories, outdoor operations, and demanding field conditions.

Featuring a **10.1-inch high-resolution IPS display**, the RT-K12 offers excellent visibility, wide viewing angles, and superior touch responsiveness. Built with reinforced industrial housing, it withstands accidental drops, shocks, vibration, and heavy daily use. The device comes with a rugged protective case and an ergonomic hand strap, making it comfortable and secure to hold during long work shifts.

At its core, the RT-K12 is equipped with a **high-performance processor**, enabling smooth real-time data processing, stable multitasking, and fast execution of complex enterprise applications. With **6GB RAM and 128GB ROM**, it provides fast system response and ample storage for databases, inspection data, WMS logs, and operational media files.

One of the standout features of the RT-K12 is its **professional-grade 2D barcode scanner**, capable of decoding printed and digital barcodes with exceptional speed and accuracy. It effortlessly reads dense, damaged, or low-contrast codes, making it ideal for warehouse operations, production tracking, inventory audits, and retail stock management. The device also includes **NFC card reading**, enabling fast authentication, asset tagging, and contactless data transfer. Additionally, its advanced **0.5s lightning-fast fingerprint sensor** allows instant and secure user authentication.

Designed for enterprise mobility, the RT-K12 provides stable and reliable connectivity through Wi-Fi, Bluetooth, and optional 4G/5G modules, ensuring seamless communication across the entire facility or field site. Its long-lasting battery supports full-day operation, reducing downtime and maximizing productivity. Additional features such as GPS, high-resolution cameras, and multiple I/O ports increase the device's versatility and integration capabilities within complex industrial ecosystems.

Beyond performance and scanning capabilities, the RT-K12 truly shines in its **industrial-grade durability**. Its rugged enclosure is built to resist dust, moisture, extreme temperatures, and mechanical impact—ensuring uninterrupted operation in warehouses, production lines, outdoor construction areas, and logistics hubs. Reinforced corners, shock-absorbing internal structures, and sealed I/O ports deliver exceptional resistance to drops, vibration, and environmental challenges. This level of robustness ensures long-term reliability and low maintenance, making the RT-K12 a dependable solution where standard consumer tablets cannot survive.

With its powerful hardware, advanced data-capture technologies, and uncompromising durability, the Raywell RT-K12 is an all-in-one industrial tablet designed to enhance efficiency, accuracy, and productivity in the most demanding professional environments.

Specifications

Basic configuration	Product Model	RT-K12
	OS Version	Android ™ 12.0
	CPU Type	MTK6891(MTK 1100), 6nm, 8 core, 3*Arm Cortex-A78@2.6GHz,4*Arm Cortex-A55@2.0GHz
	Memory	6GB RAM+128GB ROM
Display	Screen	10.1'' HD（1920*1200）
	Touch screen	Support (Multi-point touch)
	TP	Capacitive multi-touch screen G+FF
Network Connections	Bands	2.4G&5GHz,dual band
	Wi-Fi	Wi-Fi6, IEEE 802.11 a/b/g/n/ac/ax
	Bands	5G: N1/3/5/7/8/20/28/38/40/41/77/78/79 4G: TDD-LTE : B34/38/39/40/41; FDD-TE:1/3/5/7/8/20/26/28A/28B; TD-SCDMA： B38/39/40/41 3G: WCDMA： B1/2/5/8; CDMA : BC0/BC1 2G: GSM： B2/3/5/8
	Data link	5G:NR 4G : TDD LTE FDD LTE 3G:HSPA+ ,EVDO， GPRS EDGE; 2G:GPRS class 12/EDGEE
Camera	Front	8MP FF
	Rear	20MP AF
	Flashlight	Support
Speaker	Speaker	8R, 1W*2
	MIC	Support (Dual micro)
Sensor	G-sensor	Support(3D)
	Sensing distance	Support
	Compass	Support
	Motor	Support
	GPS	GPS/A-GPS/GLONASS/BEIDOU
Scan module	1D/2D	New land CM60
Connectivity	Bluetooth	BT5.1
	NFC	Support, 13.56MHz Contactlese interface modem - ISO/IEC 18000-3 、 18092 - ISO/IEC 14443 A/B - ISO/IEC 15693 Mifare compliance
	OTG	Support
Button	Top	Power Button*1, Volume Button*2
	Left	Custom Button*2
Interface	SIM Card Slot	Dual cards(SIM+SIM or SIM+TF)
Battery	Capacity	8500mAh/3.8v
Accessories	Charger	DC 9V/2A
	Data cable	TYPE-C, 2.0
Others	Dimension	254.2*172.6*13.5mm
	Weight	830g
	Google GMS	Support
	Indicator light	Support, red light——charging, green light—— fully charged
Environment	Operating Temperature	-10℃-50℃
	Storage Temperature	-20℃-70℃
	Working Humidity	5%-95%
	Waterproof	IP67
	Explosion proof grade	Compatible Ex ib IIC T4 Gb