Rugged Tablet R11

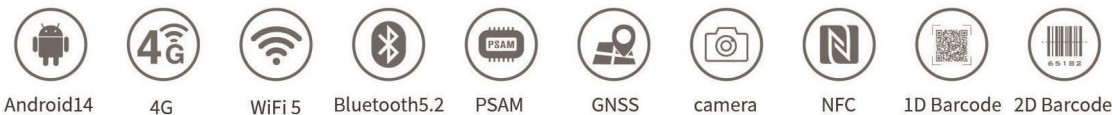| Android14	4G	WiFi 5	Bluetooth5.2	PSAM	GNSS	camera	NFC	1D Barcode	2D Barcode

Provide employees with advanced, high-performance, reliable user experience

The **R11** is the latest 4G high-performance, large-screen industrial tablet with a 10.95-inch display. Based on Android 14 development, with a high-performance CPU, it offers fast and stable operation. It features a 10,000mAh removable battery with fast charging and power meter functions, ensuring excellent battery life. The **R11** includes barcode scanning, NFC, PSAM, and a high-definition camera for a comprehensive user experience. With an IP67 rating, it is reliable in harsh environments. The **R11** is ideal for retail, logistics, warehousing, construction, manufacturing, healthcare, hospitality, and government sectors, enhancing efficient management and operations.

Advanced wireless technology for efficient data transfer

The R11 excels in wireless connectivity, featuring 4G, WiFi 5, and Bluetooth 5.2 technologies to meet various needs. This ensures faster cellular, WiFi, and Bluetooth connections, providing efficient and seamless data transfer. Regardless of the setting, this robust technology combination caters to diverse usage needs, enhancing your work experience with greater convenience.
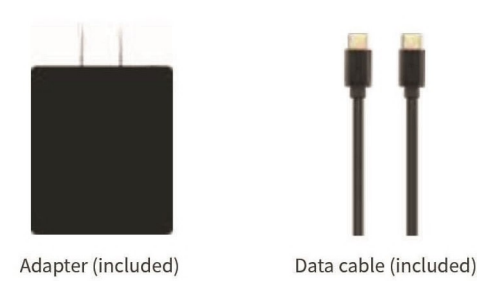
Comprehensive data collection capabilities

The R11 excels in data collection with a 13MP rear camera (with autofocus and flash) and a 5MP front camera for high-resolution imaging. It features an enterprise-grade scanner for quick, accurate barcode reading, including damaged and DPM codes. The built-in NFC function expands its application range. The R11 is designed to provide powerful and versatile data collection capabilities.

1.2m drop resistance, IP67 dust and water protection

The R11 boasts industrial-grade durability, MIL-STD-810H (SGS Test), withstanding multiple 1.2-meter drops onto concrete. It meets IP67 dust and water resistance standards, ensuring reliable performance in harsh environments. Its exceptional durability and protection make the R11 an ideal choice for tackling various challenges, providing a stable and trustworthy user experience.

Powerful 4G chip, Android 14, outstanding performance

The R11 features a powerful 4G chipset and a high-performance octa-core processor up to 2.2GHz. It runs on the latest Android 14 OS, with standard 4GB RAM and 64GB ROM, and optional 8GB+256GB versions to meet your storage needs. This device will be a reliable assistant, providing an outstanding work experience.

Large screen, high-definition, clear in bright light

The R11 features a 10.95-inch screen with a resolution of 1920x1200. It supports up to 800 nits brightness, ensuring clear visibility indoors and in bright outdoor light. The reliable touchscreen supports multi-touch and works with gloves and wet hands.

10,000mAh battery with power meter and fast charging

The R11 comes with a 10,000mAh removable battery that supports hot-swapping. It includes a power meter to monitor battery consumption and health. With advanced fast charging up to 27W (9V/3A) and full compatibility with PPS protocol, you can quickly recharge and ensure long-lasting performance.

Standard product accessories

Adapter (included)   Data cable (included)

Specification

Physical Characteristics

Dimensions	263.5 x 175.0 x 13.5 mm / 10.37 x 6.89 x 0.53 in. (for standard version)
Weight	802 g / 28.29 oz. (for standard version)
Display	10.95'' , 1920x1200
Touch Panel	Corning Glass, multi-touch panel, gloves and wet hands supported
Power	10000mAh removable main battery with meter Support fast charge
Expansion Slot	1 PSAM card(Optional),; 1 slot for Nano SIM card, 1 slot for Nano SIM / TF card;
Interfaces	USB 3.0 Type-C, OTG, Support USB Type-C Digital Earphone
Sensors	Gravity sensor, light sensor, proximity sensor, gyroscope(Optional), geomagnetic sensor (Optional)
Notification	Sound, LED indicator
Audio	2 microphone; 2 speakers
Keypad	1 scan key, 1 power key, 1 volume keys (+/-) , 2 virtual keys

Performance Characteristics

CPU	2.2 GHz Octa-core
RAM+ROM	4GB+64GB/8GB+256GB (Optional)
Expansion	Supports up to 512 GB Micro SD card

Communication

WLAN	Support 802.11 a/b/g/n/ac, 2.4G/5G dual-band; WI-FI 6E （Optional）;
WWAN	2G: GSM:B2/B3/B5/B8
	3G: WCDMA:B1/B2/B4/B5/B8
	4G： TDD LTE :B34/B38/B39/B40/B41 190M FDD LTE :B1/B2/B3/B4/B5/B7/B8/B12/B17/B18/B20/B28ab
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth V5.2, support Bluetooth headset
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo

PSAM (Optional)

Card slot	1 PSAM card slots
Protocol	ISO7816

Data Collection

Camera	
Rear Camera	13 MP Autofocus with flash
Front Camera	5 MP
Barcode Scanning	
Scan Engine	Barcode Scanner's Engine Honeywell N6803FR
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS,etc.
2D Symbologies	PDF417,MicroPDF417,Composite,RSS,TLC-39, Datamatrix,QR code, Micro QR code, Aztec, MaxiCode; Postal Codes:US PostNet, US Planet, UK Postal, Australian Postal, JapanPostal, Dutch Postal (KIX),etc.
NFC	
Frequency	13.56 MHz
Protocol	ISO14443A/B,ISO15693,NFC-IP1,NFC-IP2, etc.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm

Developing Environment

Operating System	Android 14
SDK	RHINO MOBILITY Software Development Kit
Tool	Java
Language	Eclipse/Android Studio

User Environment

Operating Temp.	-4°F to 122°F /-20 ℃ to 50 ℃
Storage Temp.	-40°F to 158°F /-40 ℃ to 70 ℃
Humidity	5% RH-95% RH (non condensing)
Drop Specification	MIL-STD-810H (SGS Test): Multiple 1.2 m / 3.94 ft. drops to concrete across the operating temperature range
Sealing	IP67 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

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