

# RP70A *Truly Pocketable 7 inch Android Tablet*





# 1. RP70A Intro

**“The RP70A is 7 inch professional rugged tablet running with Android 8.1 Oreo. It is born to establish a new form factor between handy smartphone and tablet PC.**

**More and more, professionals require larger display terminals while keeping compact and light weight design.**

**Maximizing portability, 7 inch is perfect size for professionals to view PDF document and enter data conveniently in the field. The RP70A is as light as 600 grams and 18mm thin, smoothly slipped into pocket of professionals’ uniform.**

## 2. Design

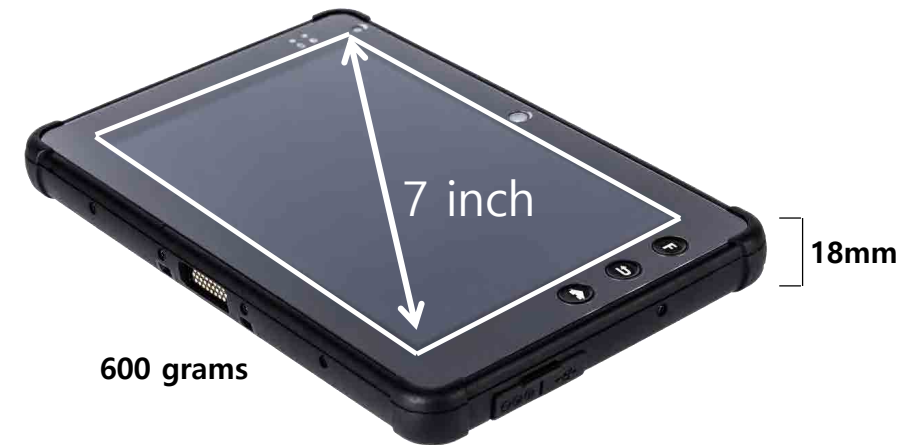
### Truly Handy and Pocketable



**Pocketable Size**

RP70A has 18mm thickness competitively slimmer than average rugged tablet PC. With light weight of 600 grams, it provides utmost portability and can be slipped smoothly into the pocket of professionals' uniform.

7 inch display is perfect for professionals to view PDF document and enter data conveniently in the field.



# 2. Design

GEN2 WAVE

## Born to Survive in Extreme Environment

Anti-shock resistant : 1.2 meter drop certified

**MIL-STD-810G Certified**

IP 65 sealing

Operating Temperature of  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Anti Shock Resistant



Four edge rubber bumper



Reliable hardware keys





## Rainmode

**Rainmode enables RP70A to sense precise point of your finger during rain, and snow without erroneous input.**



Your outdoor tablet



## 2. Design



Your indoor PC



## 2. Design

Professional Vehicle Cradle with wide extension capabilities  
USB 2.0 A type Host 3ea, HDMI 2.0 1ea, Serial 1ea, Ethernet 1ea  
Flexibility of Customization



# 3. Advantages



(1) Excellent Outdoor Readability,  
even in direct and sharp sunlight

### 3. Advantages



**(2) Fine tip stylus with Highly Responsive Display**

# 3. Advantages

The highly responsive touch screen enables precise and accurate point on the screen  
The fine tip stylus is perfectly working especially in GIS (Geographic Information System) applications.



### (3) Hot Swappable Battery

## 3. Advantages



**(4) The latest powerful platform**  
Android 8.1 Oreo with  
1.8GHz Hexa-core Processor  
RAM 4GB / ROM32GB (64GB / 128 GB Optional)



**(5) Built-in Professional 2D Imager and NFC Reader Scanner (Zebra) and NFC Reader**



# 3. Advantages

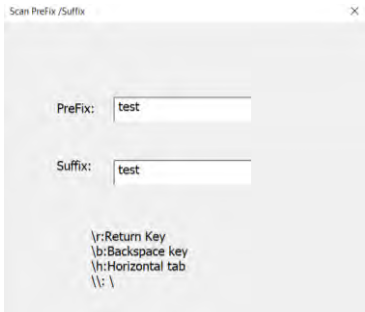


# (6) Professional Scan Emulator

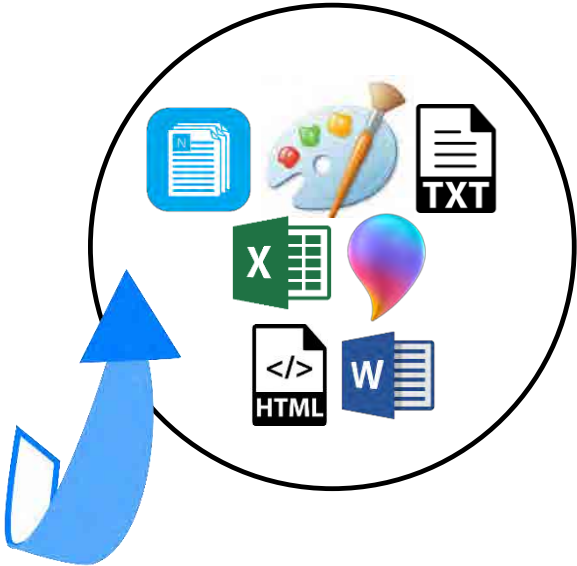
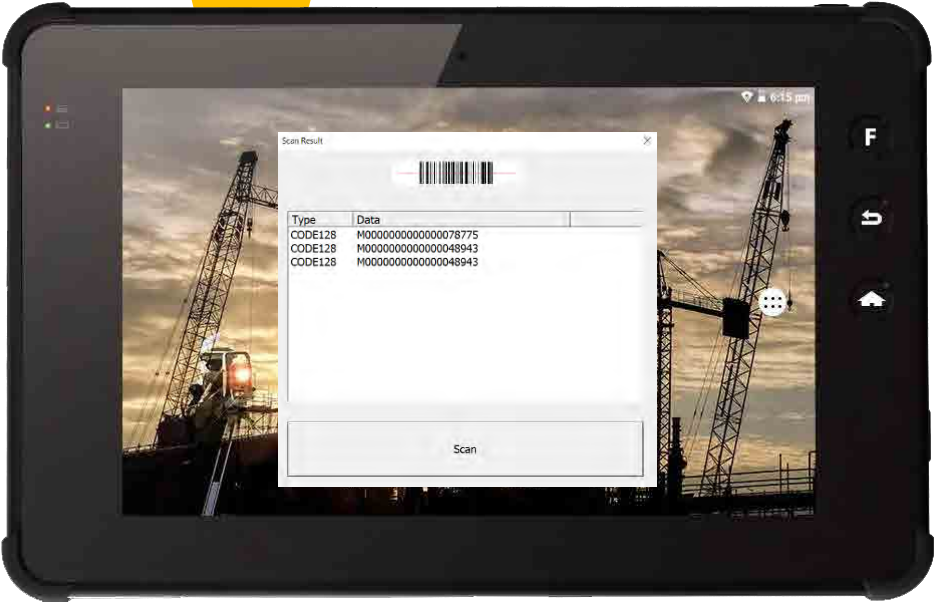
# 3. Advantages

### Scanner Setting

**-Auto Start:** Starts automatically as soon as tablet OS starts  
**-Auto Scan:** Scan mode which enables you to scan without pressing function button




### Scanned Barcode Editing



## (7) Autoseup

Autoseup has easy UI to pre-stage RP70A settings such as ethernet setting, mobile APN, hardware keys, key mapping ..etc. You can install several RP70A at once with Autoseup.



The image displays two screenshots from the Autoseup application. The left screenshot shows the 'INI EDIT' window with a 'Radio auto on/off' section containing three dropdown menus: 'Bluetooth auto' set to 'Enable', 'Wifi auto on' set to 'Disable', and 'Reset type' set to 'all boots'. The right screenshot shows a '2D Imager or Camera' scanning a QR code. A red cone of light from the imager is directed at the QR code. In the background, a 'Dialog' window is visible with fields for 'Address', 'port', 'Path', 'id', 'Password', and 'Reset\_Type'. Below the imager, a list of settings is visible: 'APK\_SETUP', 'FILE ACTION', 'VOLUME', 'SCREEN TIMEOUT', 'RADIO AUTO ENABLE', 'KEY TO ACTION', 'Browser', 'General', 'Short Cut', 'SNTP\_CLIENT', 'Soft Reset', 'WIFI\_set', 'Ethernet\_Set', 'Update Server Info', and 'KEY MAPPING'. A 'QR Code' label is positioned at the bottom right of the imager area.

1. Scan QR code
2. Automatic connection to FTP server
3. Automatic download for Auto Setup & APK
4. Automatic installation

## (8) Easy Key Mapping & Intuitive UI

You can remap the 6 different hardware keys of RP70A instantly. Gen2Wave offers convenient UI for Key Mapping. You can also mass-set and map number of RP70s' keys with Autosetup.





## (9) Screenlock Mode

Keep your work and programs safe while your concentration is away from RP70A. Screenlock mode keeps your work on process, while preventing erroneous input.



# 4. Specification

## Performance Characteristics

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<b>CPU</b>	1.8GHz Hexa-core Cortex A72 Dual-Core (1.8GHz) Cortex A53 Quod-Core (1.4GHz)
<b>OS</b>	Android 8.1 Oreo
<b>Memory</b>	4 GB DDR3L-1600MHz 32GB EMMC (64GB/128GB optional)
<b>Communication Interface</b>	Tablet Side : USB3.0 Host, USB2.0 Client Desktop Cradle Interface : USB 2.0 A type Host 3ea, HDMI 2.0 1ea, Serial 1ea, Ethernet 1ea  Extension 10pin connector : supporting USB and Serial interface

## Battery(5600mA) Performance

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<b>Standby Time</b>	100 hours / 5,600mAh standard battery
<b>Video Streaming Time</b>	5 hours / 5,600mAh standard battery 8 hours / 10,050mAh extended battery (keep turning on the LCD module and the communication module)
<b>Charging time</b>	5 hours / 5,600mAh standard battery 6.5 hours / 10,050mAh extended battery

## Physical Characteristics

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<b>Dimensions</b>	203mm (W) X 131mm (H) X 18mm (D)
<b>Weight</b>	600 gram(21.1oz) with 5,600mAH standard battery
<b>Display</b>	7 Inch / WXGA (800x1280), 700 nits (cd/m <sup>2</sup> )
<b>Input</b>	3 Front keys, 5 Side keys (Including 2 programmable keys)
<b>Battery</b>	Standard : 5,600mA/h, 3.7V, Li-polymer Extended : 10,050mA/h, 3.7V, Li-ion polymer
<b>Expansion Slot</b>	MicroSDXC / Up to 2 TB cards supported
<b>Audio</b>	Dual Speaker / Receiver / MIC
<b>Wireless (WWAN)</b>	EU Frequency band (USA optional) 4G LTE : 800, 900, 1800, 2100, 2600MHz 3G HSPA+ : 900, 2100MHz 2G GSM/GPRS : 900, 1800MHz
<b>Bluetooth</b>	Bluetooth 4.2 BLE + HS (BT Headset support)
<b>Wireless LAN</b>	IEEE 802.11 a/b/g/n/ac
<b>GPS</b>	Embedded A-GPS, GLONASS (optional)
<b>Notification</b>	Charging status LED, Power on/off LED
<b>Scanner</b>	2D Imager (Zebra SE4710, S/W Decoder)

## User Environment

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<b>Sealing</b>	IP65 IEC 60529:2006 IEC 60068-2-1, IEC 60068-2-2
<b>Drop Spec.</b>	1.2M Drop Direct to Plywood while System is Operating, 26 Drops MIL-STD 810G Method 516.7, Procedure I-C
<b>Operating Temperature</b>	-20 °C ~ +60 °C (-4 F° ~ 140 F°) MIL-STD 810G, Method 503.6, Procedure I-C
<b>Storage Temperature</b>	-30 °C ~ +70 °C (-22 F° ~ 158 F°) MIL-STD 810G Method 503.6, Procedure I-C
<b>Humidity</b>	Non-condensing, 93% Humidity: (50 ± 25) %R.H., Testing Environment
<b>Vibration</b>	MIL-STD 810G Method 514.7 40 min of test time
<b>AC Power</b>	Input : AC 100 ~ 240V, 50 ~ 60Hz Output : DC +5.0V, 5A

## Camera

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<b>Resolution</b>	13.0 megapixel with Auto Focus (Rear Camera) 2.0 megapixel with Fixed Focus (Front Camera)
<b>Illumination</b>	User controllable flash
<b>Lens</b>	Auto Focus (Rear Camera)

## RFID

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<b>RFID</b>	Integrated NFC Reader [NXP PN548]
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## Interactive Sensor Technology

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Motion-sensor: 3-axis accelerometer that enables motion-sensing applications for dynamic screen orientation  
Ambient light sensor : To adjust the screen brightness automatically based on the available light.

## 2D Image Scanner (Zebra SE4710, S/W Decoder)

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<b>Sensor Resolution</b>	1280 x 800 pixels
<b>Field of View</b>	Horizontal: 42°, Vertical: 28°
<b>Skew, Pitch &amp; Roll</b>	Skew Tolerance: ±60° Pitch Tolerance: ±60° Roll Tolerance: 360°
<b>Focal Distance</b>	From front of engine: 7.64 in
<b>Aiming LED</b>	610nm LED
<b>Illumination</b>	1 Hyper Red 660nm LED

## Decode Ranges

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<b>4 mil Code 39</b>	3.3 in./8.4 cm (Near) 8.8 in./22.4 cm (Far)
<b>5 mil Code 128</b>	2.8 in./7.1 cm (Near) 8.2 in./20.8 cm (Far)
<b>5 mil Code 39</b>	2.0 in./5.08 cm (Near) 13.5 in./34.3 cm (Far)
<b>5 mil PDF417</b>	3.1 in./7.9 cm (Near) 8.4 in./21.3 cm (Far)
<b>10 mil DataMatrix</b>	2.9 in./7.4 cm (Near) 10.1 in./25.7 cm (Far)
<b>100% UPCA</b>	1.8* in./4.6* cm (Near) 26.0 in./66.0 cm (Far)
<b>20 mil Code 39</b>	2.0* in./5.08* cm (Near) 30.0 in./76.2 cm (Far)

## Peripherals and Accessories

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<b>Desktop cradle (1slot)</b>	Device charging slot / 1ea Additional battery charging slot / 1ea Ethernet port / 1ea HDMI 2.0 Full size type A / 1ea USB Host 2.0 / 3ea Serial RS232C / 1ea
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<b>Car Cradle</b>	Device charging slot / 1ea Ethernet port / 1ea HDMI 2.0 Full size type A / 1ea USB Host 2.0 / 2ea Serial RS232C / 1ea Power input (DC-IN) / 1ea
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<b>Electrical Safety:</b>	IEC 60950-1: 2005 (2nd Edition) and/or EN 60950-1:2006
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<b>EMI/RFI:</b>	EN 55022:2006 Class B EN 61000-3-2:2006 EN 61000-3-3:1995 +A1:2001+A2:2005
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**SOTI Mobicontrol Certified.**

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# 5. Application

## Field Service



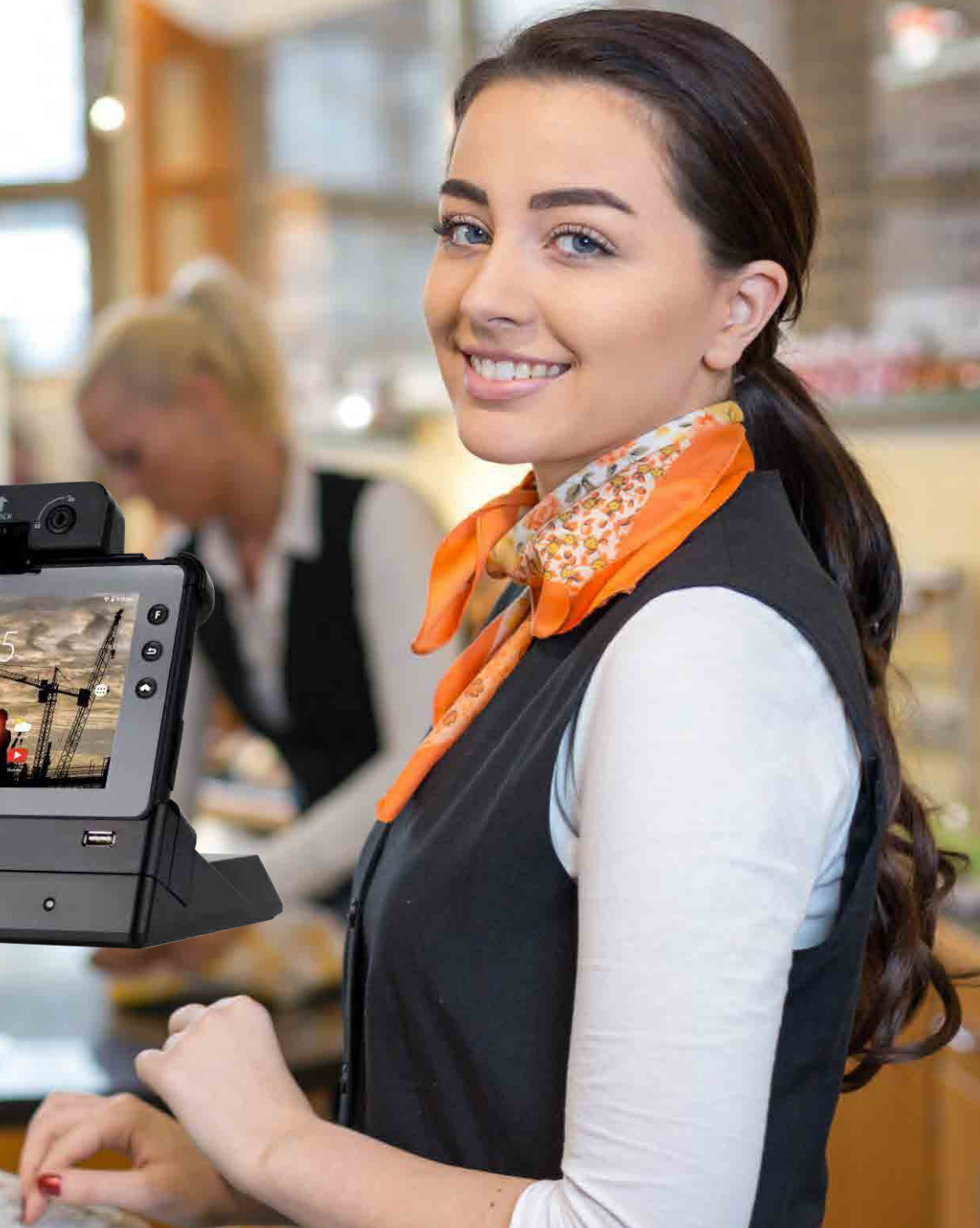
## Retail Shops

- Multiplex shopping malls
- Drug stores



Staff enablement    Inventory management

Price Strategy    Personal Shopping





# Transportation

**Courier Express Parcel**

**Retail Distribution**

**Mail Courier Service**

**Mass Transport**



# Warehouse Management



Receiving



Put-Away &  
Replenishment



Inventory



Picking





**Sales Force Automation**  
**RP70A works 24/7 for speedy process**

# Law Enforcement

Traffic Law Enforcement

Parking Law Enforcement

Patrol Mobile Solution



# Healthcare



# 6. Accessories & Package

Names	Description	Image
Standard Accessories	<p>AC line cord &amp; Power supply            Stylus pen, Pen string            Hand Strap            Rotating Hand Strap</p>	
Battery	<p>Li-ion Polymer Battery</p> <p>Standard 3.7V 5600mAH            Extended 3.7V 10050mAH</p>	
Professional Desktop Cradle	<p>Device charging slot, Additional battery charging slot, 3ea USB Host 2.0, A type            HDMI 2.0 Full size A type, Serial RS232C            Ethernet port            Lock to place tablet with stability            Key to keep tablet safe.</p>	
Professional Car Cradle	<p>Device charging slot            Cigar plug input power, Direct Input power,            USB Host 2.0, A type            HDMI 2.0 Full size type A            Serial RS232C            Ethernet port            Lock to place tablet with stability            Key to keep tablet safe.            Two wheels to adjust angles of Display</p>	