

## **AUTOID Q9**

#### **Creating a New Standard for Durable Data Capture Tool**

Designed to meet the high demands of industrial applications, AUTOID Q9 is an industrial-grade handheld terminal. New features have been added to enhance appearance, performance, battery life, protection, and other aspects, bringing this tool up to the highest level of durability. Users benefit from efficient and intelligent operations in logistics, retail, manufacturing, public utilities, etc.



### **Product Features**



# Professional Wi-Fi, Real-time Data Transmission

The device supports IEEE 802.11 a/b/g/n/ac, providing faster connectivity, real-time transmission, and a more comprehensive range of coverage thanks to dual-band WIFI (2.4G/5G). Full-band 4G, ensuring an excellent network both indoors and outdoors. Bluetooth 5.0 has twice the speed and four times the coverage of 4.0 but with lower power consumption.



#### **Uninterrupted Operation**

It can be used continuously for 14 hours, per the test data provided by Seuic Laboratory. It consists of a 5200mAh lithium-ion battery pack and can be charged 70% in 1 hour with an optional Type-C 18w fast charger.

## **Specifications**

Tumble Spec. 1000 rounds of tumble from 1.6 ft./0.5 m, equals to 2000 impacts  Sealing IP67  Electrostatic ±15 kV air discharge, ±8 kV direct discharge  Discharge (ESD)  Sensor Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass  Data Capture  Scanning Seuic 2D image Scan engine Camera scanning  Camera Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol	Physical Characteris	rtice
160 mm L x 66.3 mm W x 16.2 mm H	•	
Weight   B.8 oz./250 g (include battery)	Dimensions	
Display	NA/a:aba	
Touch Panel Capacitive touch, supporting wet hand mode and thick glove mode  Power Detachable 5200mAh Li-ion rechargeable battery 60mAh Li-ion spare battery Expansion Slot Micro SD Card, compatible up to 32GB Interface/ Support Type-C, support OTG  Communication Notifications Sound, vibrator, LED indicator Keypad 27 keys: Front key*24, Side scan key*2, PTT key*1 Voice and Audio Built-in dual loudspeaker, built-in dual microphone, Type-C support earphone  Performance Characteristics CPU MTK Octa-core 2.0GHz Operating System Android 10, GMS Certified Memory 4GB RAM/64 GB ROM; 3GB RAM/32 GB ROM (Optional)  User Environment Operating Temp. 4° F to 122 *F/-20 *C to +50 *C Storage Temp. Battery included: -40 *F to 140 *F/-40 *C to +60 *C Battery excluded: -40 *F to 158 *F/-40 *C to +70 *C Humidity 5% to 95%, non-condensing Drop Spec. Multiple 5.8 ft./1a.8m drops to marble across the operating temperature range Tumble Spec. 1000 rounds of tumble from 1.6 ft./0.5 m, equals to 2000 impacts Sealing IP67 Electrostatic Discharge (ESD)  Sensor Optical sensor, Proximity sensor, Gravity sensor, Gryroscope, E-compass  Data Capture  Scanning Seuic 2D image Scan engine Camera Scanning		
thick glove mode  Power  Detachable 5200mAh Li-ion rechargeable battery 60mAh Li-ion spare battery  Expansion Slot  Micro SD Card, compatible up to 32GB  Interface/ Communication  Notifications  Sound, vibrator, LED indicator  Keypad  27 keys: Front key*24, Side scan key*2, PTT key*1  Voice and Audio  Built-in dual loudspeaker, built-in dual microphone, Type-C support earphone  Performance Characteristics  CPU  MTK Octa-core 2.0GHz  Operating System  Android 10, GMS Certified  Memory  4GB RAM/64 GB ROM; 3GB RAM/32 GB ROM (Optional)  User Environment  Operating Temp.  Storage Temp.  Battery included: -40 "F to 140 "F/-40 "C to +60 "C Battery excluded: -40 "F to 158 "F/-40 "C to +60 "C Battery excluded: -40 "F to 158 "F/-40 "C to +70 "C to 400 inpacts  For Sound in the storage of the presence of the operating temperature range  Tumble Spec.  1000 rounds of tumble from 1.6 ft./0.5 m, equals to 2000 impacts  Sealing  IP67  Electrostatic  Discharge (ESD)  Sensor  Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass  Data Capture  Scanning  Seuic 2D image Scan engine  Camera scanning  Camera is 3MP Autofocus, 2592*1944 (taking photo)  Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC  Compatible with tags as specified in ISO15693, ISO14443AB (without encryption protocol (Mifare one 550, 570 and compatible cards); compatible wit NFC protocol  Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO1443A), 0-1.5cm ID card  Wireless Connectivity  WIANN  WIAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/56 dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		
Detachable 5200mAh Li-ion rechargeable battery 60mAh Li-ion spare battery	Touch Panel	· · · · · -
Expansion Slot Micro SD Card, compatible up to 32GB Interface/ Support Type-C, support OTG Communication Notifications Sound, vibrator, LED indicator Keypad 27 keys: Front key*24, Side scan key*2, PTT key*1 Voice and Audio Built-in dual loudspeaker, built-in dual microphone, Type-C support earphone Performance Characteristics CPU MTK Octa-core 2.0GHz Operating System Android 10, GMS Certified Memory 4GB RAM/64 GB ROM; 3GB RAM/32 GB ROM (Optional) User Environment Operating Temp. 4° F to 122° F/-20° C to +50° C Storage Temp. Battery included: -40° F to 140° F/-40° C to +60° C Battery excluded: -40° F to 158° F/-40° C to +70° C Humidity 5% to 95%, non-condensing Drop Spec. Multiple 5.8 ft./1.8m drops to marble across the operating temperature range Tumble Spec. 1000 rounds of tumble from 1.6 ft./0.5 m, equals to 2000 impacts Sealing IP67 Electrostatic ±15 kV air discharge, ±8 kV direct discharge Discharge (ESD) Sensor Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass Data Capture Scanning Seuic 2D image Scan engine Camera scanning Camera Front: 5 MP Fixed focus, 2592*1944 (taking photo), 1080P@30fps (making video) NFC Compatible with tags as specified in ISO15693, ISO14443/A)B (without encryption protocol), ISO14443/A (without encryption protocol), ISO14443/A (without encryption protocol (Mifare one SS0, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card Wireless Connectivity WLAN WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI) Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		<del>                                     </del>
Micro SD Card, compatible up to 32GB     Interface	Power	·
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Communication  Notifications Sound, vibrator, LED indicator  Keypad 27 keys: Front key*24, Side scan key*2, PTT key*1 Voice and Audio Built-in dual loudspeaker, built-in dual microphone, Type-C support earphone  Performance Characteristics CPU MTK Octa-core 2.0GHz Operating System Android 10, GMS Certified  Memory 4GB RAM/64 GB ROM; 3GB RAM/32 GB ROM (Optional)  User Environment Operating Temp4 °F to 122 °F/-20 °C to +50 °C Storage Temp. Battery included: -40 °F to 140 °F/-40 °C to +60 °C Battery excluded: -40 °F to 158 °F/-40 °C to +70 °C  Humidity 5% to 95%, non-condensing Drop Spec. Multiple 5.8 ft./1.8m drops to marble across the operating temperature range  Tumble Spec. 1000 rounds of tumble from 1.6 ft./0.5 m, equals to 2000 impacts  Sealing IP67 Electrostatic Discharge (ESD)  Sensor Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass  Data Capture  Scanning Seuic 2D image Scan engine Camera scanning Front: 5 MP Fixed focus, 2592*1944 (taking photo), 1080P@30fps (making video)  NFC Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol (Mifare one 550, 570 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity WLAN  WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		
Notifications  Sound, vibrator, LED indicator  Keypad 27 keys: Front key*24, Side scan key*2, PTT key*1  Voice and Audio Built-in dual loudspeaker, built-in dual microphone, Type-C support earphone  Performance Characteristics  CPU MTK Octa-core 2.0GHz  Operating System Android 10, GMS Certified  Memory 4GB RAM/64 GB ROM; 3GB RAM/32 GB ROM (Optional)  User Environment  Operating Temp4 °F to 122 °F/-20 °C to +50 °C  Storage Temp. Battery included: -40 °F to 140 °F/-40 °C to +60 °C Battery excluded: -40 °F to 158 °F/-40 °C to +70 °C  Humidity 5% to 95%, non-condensing  Drop Spec. Multiple 5.8 ft./1.8m drops to marble across the operating temperature range  Tumble Spec. 1000 rounds of tumble from 1.6 ft./0.5 m, equals to 2000 impacts  Sealing 1P67  Electrostatic 155 kV air discharge, ±8 kV direct discharge  Discharge (ESD)  Sensor Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass  Data Capture  Scanning Seuic 2D image Scan engine Camera scanning  Camera Front: 5 MP Fixed focus, 2592*1944 (taking photo), 1080P@30fps (making video)  NFC Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol (Mifare one 550, 570 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	•	Support Type-C, support OTG
Voice and Audio Voice and Audio Voice and Audio Built-in dual loudspeaker, built-in dual microphone, Type-C support earphone  Performance Characteristics  CPU MTK Octa-core 2.0GHz Operating System Android 10, GMS Certified Memory 4GB RAM/64 GB ROM; 3GB RAM/32 GB ROM (Optional)  User Environment Operating Temp. 4 °F to 122 °F/-20 °C to +50 °C Battery excluded: -40 °F to 140 °F/-40 °C to +60 °C Battery excluded: -40 °F to 158 °F/-40 °C to +70 °C Humidity 5% to 95%, non-condensing Drop Spec. Multiple 5.8 ft./1.8m drops to marble across the operating temperature range Tumble Spec. 1000 rounds of tumble from 1.6 ft./0.5 m, equals to 2000 impacts  Sealing IP67 Electrostatic Discharge (ESD)  Sensor Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass  Data Capture  Scanning Seuic 2D image Scan engine Camera scanning  Camera Front: 5 MP Fixed focus, 2592*1944 (taking photo), 1080P@30fps (making video)  NFC Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		
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Performance Characteristics  CPU MTK Octa-core 2.0GHz  Operating System Android 10, GMS Certified  Memory 4GB RAM/64 GB ROM;	Keypad	27 keys: Front key*24, Side scan key*2, PTT key*1
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CPU MTK Octa-core 2.0GHz Operating System Android 10, GMS Certified Memory 4GB RAM/64 GB ROM; 3GB RAM/32 GB ROM (Optional) User Environment Operating Temp4 °F to 122 °F/-20 °C to +50 °C Storage Temp. Battery included: -40 °F to 140 °F/-40 °C to +60 °C Battery excluded: -40 °F to 158 °F/-40 °C to +70 °C Humidity 5% to 95%, non-condensing Drop Spec. Multiple 5.8 ft./1.8m drops to marble across the operating temperature range Tumble Spec. 1000 rounds of tumble from 1.6 ft./0.5 m, equals to 2000 impacts Sealing IP67 Electrostatic ±15 kV air discharge, ±8 kV direct discharge Discharge (ESD) Sensor Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass Data Capture Scanning Seuic 2D image Scan engine Camera scanning Camera Front: 5 MP Fixed focus, 2592*1944 (taking photo), 1080P@30fps (making video) NFC Compatible with tags as specified in ISO15693, ISO14443A With encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card Wireless Connectivity WLAN WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.46/56 dual-band WIFI) Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		Type-C support earphone
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Memory   4GB RAM/64 GB ROM; 3GB RAM/32 GB ROM (Optional)     User Environment   Operating Temp.	СРИ	MTK Octa-core 2.0GHz
User Environment  Operating Temp.	Operating System	Android 10, GMS Certified
User Environment   Operating Temp.	Memory	4GB RAM/64 GB ROM;
Storage Temp.		3GB RAM/32 GB ROM (Optional)
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Electrostatic Discharge (ESD)  Sensor Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass  Data Capture  Scanning Seuic 2D image Scan engine Camera scanning  Camera Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		2000 impacts
Discharge (ESD)  Sensor Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass  Data Capture  Scanning Seuic 2D image Scan engine Camera scanning Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI) Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	Sealing	IP67
Optical sensor, Proximity sensor, Gravity sensor, Gyroscope, E-compass  Data Capture  Scanning Seuic 2D image Scan engine Camera scanning  Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	Electrostatic	±15 kV air discharge, ±8 kV direct discharge
Gyroscope, E-compass  Data Capture  Scanning  Seuic 2D image Scan engine Camera scanning  Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC  Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	Discharge (ESD)	
Scanning Seuic 2D image Scan engine Camera scanning  Camera Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	Sensor	Optical sensor, Proximity sensor, Gravity sensor,
Scanning  Seuic 2D image Scan engine Camera scanning  Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC  Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		Gyroscope, E-compass
Camera scanning  Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC  Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	Data Capture	
Front: 5 MP Fixed focus, 2592*1944 (taking photo) Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC  Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	Scanning	Seuic 2D image Scan engine
Rear: 13 MP Autofocus, Support flashlight, can be used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC  Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		Camera scanning
used for lighting, 4224*3136 (taking photo), 1080P@30fps (making video)  NFC  Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	Camera	Front: 5 MP Fixed focus, 2592*1944 (taking photo)
NFC  Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		Rear: 13 MP Autofocus, Support flashlight, can be
NFC  Compatible with tags as specified in ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		used for lighting, 4224*3136 (taking photo),
ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		1080P@30fps (making video)
ISO14443A with encryption protocol (Mifare one S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	NFC	Compatible with tags as specified in ISO15693,
S50, S70 and compatible cards); compatible wit NFC protocol Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio  IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates  802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		ISO14443A/B (without encryption protocol),
protocol   Reading range: 0-5.5cm (ISO15693), 0-4cm   (ISO14443A), 0-1.5cm ID card		ISO14443A with encryption protocol (Mifare one
Reading range: 0-5.5cm (ISO15693), 0-4cm (ISO14443A), 0-1.5cm ID card		S50, S70 and compatible cards); compatible wit NFC
(ISO14443A), 0-1.5cm ID card  Wireless Connectivity  WLAN  WLAN Radio   IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates   802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		protocol
Wireless Connectivity           WLAN           WLAN Radio         IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w           (2.4G/5G dual-band WIFI)         Data Rates         802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		Reading range: 0-5.5cm (ISO15693), 0-4cm
Wireless Connectivity           WLAN           WLAN Radio         IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w           (2.4G/5G dual-band WIFI)         Data Rates         802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		(ISO14443A), 0-1.5cm ID card
WLAN WLAN Radio IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G/5G dual-band WIFI)  Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	Wireless Connectivi	
WLAN Radio         IEEE 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w           (2.4G/5G dual-band WIFI)           Data Rates         802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		
(2.4G/5G dual-band WIFI)  Data Rates 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps		IFFF 802.11 a/b/g/n/ac/d/e/b/i/i/k/r/v/w
<b>Data Rates</b> 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps	TTENT NOUIO	
·	Data Rates	·
002.110. 1, 2, 3.3, 111VIDPS	Data nates	<u> </u>
	_	ουζ.11υ. 1, ζ, 3.3, 11ΙΝΙΝΡ

	802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
	802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65Mbps
	(20MHz, Long GI, 800ns)
	802.11n:7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65,
	72.2Mbps (20MHz, short GI, 400ns)
	802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65Mbps
	(20MHz, Long GI, 800ns)
	802.11n: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65,
	72.2Mbps (20MHz, short GI, 400ns)
	802.11n: 13.5, 27, 40.5, 54, 81, 108, 121.5, 135Mbps
	(40MHz, Long GI, 800ns)
	802.11n: 15, 30, 45, 60, 90, 120, 135, 150Mbps
	(40MHz, short GI, 400ns)
	802.11ac: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65,78Mbps
	(20Mhz, Long GI, 800ns)
	802.11ac: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2,
	86.7 (20MHz, short GI, 400ns)
	802.11ac: 13.5, 27, 40.5, 5481, 108, 121.5, 135,
	162,180Mbps (40Mhz, Long GI, 800ns)
	802.11ac: 15, 30, 45, 60, 90, 120, 135, 150, 180,
	200Mbps (40MHz, short GI, 400ns)
	802.11ac: 29.3, 58.5, 87.8, 117, 175.5, 234, 263.3,
	292.5, 351, 390Mbps (80Mhz, Long GI, 800ns)
	802.11ac: 32.5, 65, 97.5, 130, 195, 260, 292.5, 325,
	390, 433.3Mbps (80MHz, short GI, 400ns)
Working channel	CH1~CH13, CH34~CH165
WWAN	
WWAN Radio	European Asian area:
	GSM: Quad Band (850, 900, 1800, 1900Mhz)
	TD-SCDMA: Band 34, Band 39
	WCDMA: Band 1, Band 2, Band 5, Band 8
	CDMA 1x /EVDO: BC0 (optional)
	TDD-LTE: Band 34, Band 38, Band 39, Band 40, Band
	TDD-LIE. Dalla 34, Dalla 30, Dalla 33, Dalla 40, Dalla
	41
	41
GPS	41 FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7,
GPS	41 FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20
GPS	41 FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20 GPS+GLONASS+ Beidou, Support AGPS
GPS Accessories	41  FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz);
	41  FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz);
Accessories	41 FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20 GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)
Accessories Standard	41 FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20 GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap
Accessories Standard	41 FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20 GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap 4-slot battery charger, Single device charging cradle
Accessories Standard	FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap  4-slot battery charger, Single device charging cradle with one spare battery charging slot, 4-slot charging
Accessories Standard Additional	FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap 4-slot battery charger, Single device charging cradle with one spare battery charging slot, 4-slot charging cradle, Pistol grip, Multifunctional bag, Touch Pen, Tempered glass screen Protector, Device protect cover
Accessories Standard Additional	FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap 4-slot battery charger, Single device charging cradle with one spare battery charging slot, 4-slot charging cradle, Pistol grip, Multifunctional bag, Touch Pen, Tempered glass screen Protector, Device protect
Accessories Standard Additional  Third Party Applicat System Software	FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap 4-slot battery charger, Single device charging cradle with one spare battery charging slot, 4-slot charging cradle, Pistol grip, Multifunctional bag, Touch Pen, Tempered glass screen Protector, Device protect cover  ion Development Support  Android 10
Accessories Standard Additional  Third Party Applicat System Software System	FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap 4-slot battery charger, Single device charging cradle with one spare battery charging slot, 4-slot charging cradle, Pistol grip, Multifunctional bag, Touch Pen, Tempered glass screen Protector, Device protect cover ion Development Support
Accessories Standard Additional  Third Party Applicat System Software	FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap 4-slot battery charger, Single device charging cradle with one spare battery charging slot, 4-slot charging cradle, Pistol grip, Multifunctional bag, Touch Pen, Tempered glass screen Protector, Device protect cover  ion Development Support  Android 10
Accessories Standard Additional  Third Party Applicat System Software System	FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap 4-slot battery charger, Single device charging cradle with one spare battery charging slot, 4-slot charging cradle, Pistol grip, Multifunctional bag, Touch Pen, Tempered glass screen Protector, Device protect cover  ion Development Support  Android 10
Accessories Standard Additional  Third Party Applicat System Software System	FDD-LTE: Band 1, Band 2, Band 3, Band 5, Band 7, Band 8, Band 20  GPS+GLONASS+ Beidou, Support AGPS GPS: L1 (1.575GHz), Beidou: B1 (1.561GHz); GLONASS: L1 (1.602GHZ)  Power Adapter, USB Cable, Battery, Hand Strap 4-slot battery charger, Single device charging cradle with one spare battery charging slot, 4-slot charging cradle, Pistol grip, Multifunctional bag, Touch Pen, Tempered glass screen Protector, Device protect cover  ion Development Support  Android 10





