



MI-1601

Android RFID UHF reader

Mitec MI-1601 is an Android-based rugged mobile computer. With its powerful 1.2GHz processor and best possible battery performance, as well as the comprehensive data capture options, including HF/UHF RFID and NFC reading, high-performance 1D/2D, infra-red and sensitive fingerprint scanning, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizable ability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset



Most Powerful Application Performance

The MI-1601 is based on Android 5.1 system, features the fast and powerful quad core 1.2GHz processor, together with 2GB of RAM, 16GB build-in flash storage.



Extensive Data Capture Functions

The MI-1601 can be integrated with best-in-class 1D/2D scanning engine, HF/UHF RFID and NFC reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Rugged and Compact

The MI-1601 is highly rugged, compact and durable. With an IP65 water and dust proof capability, workers can drop this device on concrete, use it in dusty areas, even get it wet, and still expect reliable operation.



Fast Wireless Connectivity

The MI-1601 provides enterprises with anywhere, anytime real-time connectivity by a variety of wireless connections including 4G, WiFi, Bluetooth and GPRS.



Powerful Battery

With the 3800mAh main battery and the optional 5000mAh pistol battery, you can be confident that your MI-1601 can always deliver results when you need it to.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs.



1D Barcode



2D Barcode



RFID



NFC



Fingerprint



InfraRed



4G



WiFi



Bluetooth



GPS



Camera

Physical Characteristics

Dimensions	168mm x 75mm x 26mm
Weight	350g
Display	4" LCD (480*800) IPS
Touch Panel	Rugged capacitive touch panel
Power	Main battery: Li-ion, 3800mAh Pistol battery: Li-ion, 5000mAh (Optional)
Expansion Slot	1 SIM, 1 MicroSD (TF) slot
Interfaces	USB Micro-B
Audio	0.5W speaker, build-in microphone
Keypad	Numeric
Sensors	Light Sensor, Proximity Sensor

Performance

CPU	Cortex-A7 1.2GHz quad-core
RAM	2GB
ROM	16GB

Developing Environment

Operating System	Android 5.1
SDK	MitecMobile Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-30°C to 50°C
Storage Temp.	-40°C to 60°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.2m drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m / 1.64ft falls at room temperature
Sealing	IP65

Communication

WLAN	IEEE802.11 b/g/n 2G GSM/3G WCDMA/4G LTE
WWAN	(850/900/1800/1900/2100/2600MHz) WCDMA (850/1900/2100MHz)
Bluetooth	Bluetooth 4.0
GPS	GPS, AGPS

Biometric (Optional)

Functions	Enrollment, compare, deletion etc.
Sensor	TCS1T
Sensor Type	Capacitive Sensor
Resolution	500DPI
Memory	1,000 PCS fingerprints

Printer (Optional)

Printer Method	Thermal
Resolution	8 dots/mm (384 dots/line)
Paper Width	58mm

Barcode Scanning (Optional)

1D Linear Scanner	
1D Laser / CCD	Symbol SE955
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.

2D Imager Scanner	
2D CMOS Laser Scanner	Zebra SE4710
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, Japan Postal, Dutch Postal (KIX), etc.

RFID

UHF	
Frequency	840-960MHz
Protocol	EPC C1 GEN2/ISO 18000-6C/6B
Output power	10dBm - 30dBm
Range	< 6m

Accessories



AC Adapter



Snap-on



USB cable



Cradle (Optional)



Pistol (Optional)



Fingerprint Snap-on (Optional)



Thermal Printer (Optional)