



# MultiCheck™-C

MOBILE MULTI-BIOMETRIC SCANNER

by **M2SYS**

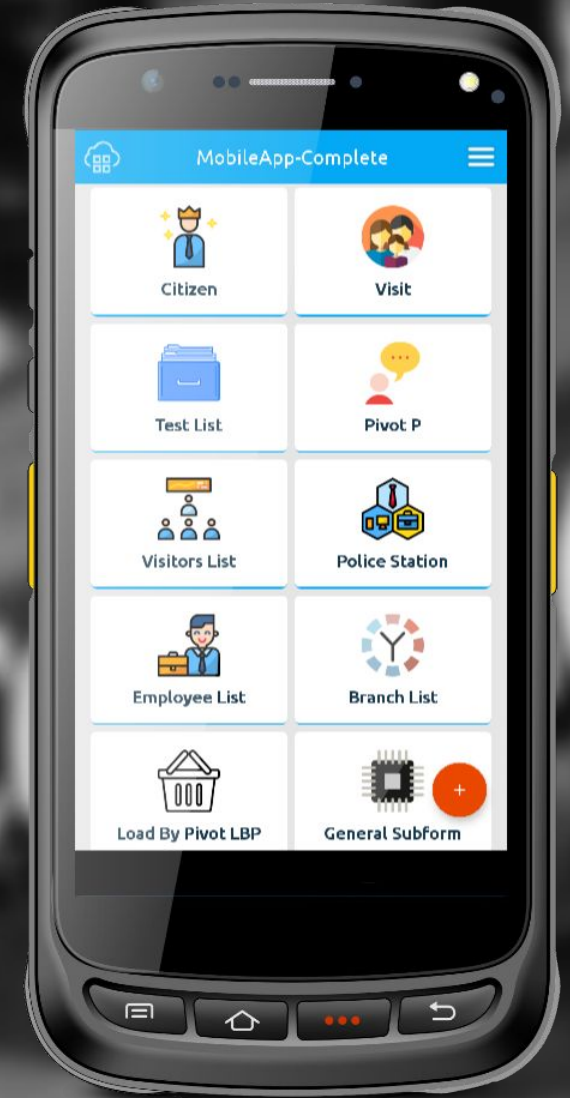


## **MULTICHECK-C™** HANDHELD, MOBILE MULTI-BIOMETRIC SCANNER

This powerful multimodal handheld biometric authentication unit is a Android computer that can be used with any mobile app that you build with our CloudApper™ platform and integrated CloudABIS™ biometric matching system. The portable MultiCheck™-C offers the flexibility of easily identifying subjects from any location using their fingerprint, iris, and/or face to display their demographic information and perform other tasks. The device can also be used to enroll demographic and biometric information at remote locations.

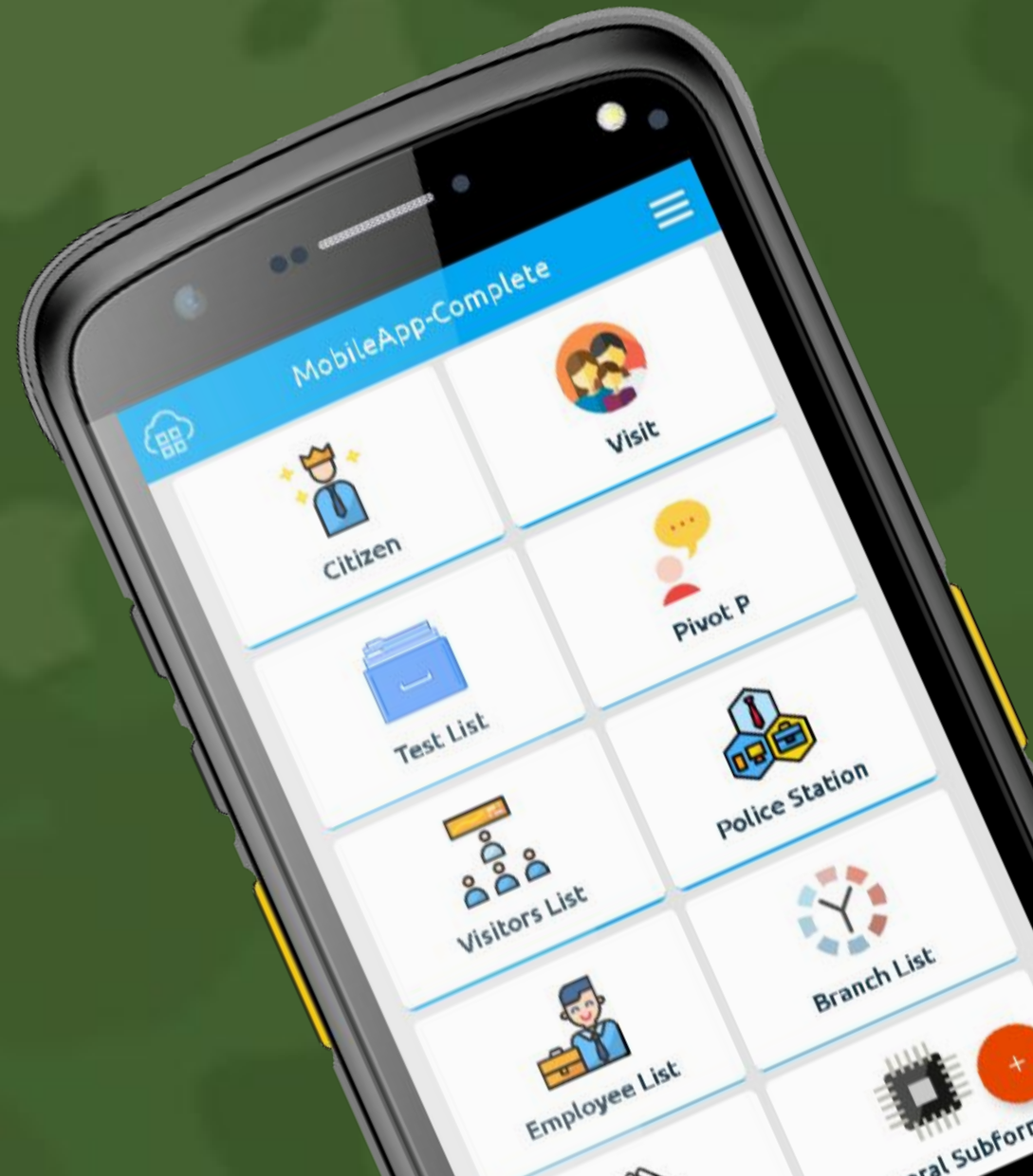
## BE ACTIVE EVERYWHERE

This is a rugged and powerful handheld device built for generating optimum performance during field or mobile use. Powered by Android 6.0 OS, the device features a quad-core processor, 2GB RAM + 16GB ROM, plus a 32GB SD card expansion slot, enabling it to run multiple tasks with a smooth user experience. The device is also weather friendly since its 5.2-inch touch display supports “wet-and-glove” operations. A 5000mAh battery allows a full day’s non-stop use.



## MILITARY GRADE ACCURACY

When paired with our CloudApper™ apps and CloudABIS™ biometric matching system, the MultiCheck™-C can provide the highest level of flexibility and accuracy for your biometric authentication projects. With support for multiple biometric modalities, this hardware is capable of identifying every individual that stands in its way. The fingerprint sensors used in the MultiCheck™-C are immune to any lighting condition and resistant to electrostatic discharges, scratches and drops. Application areas for this biometric device include law enforcement field-level operations, pension management, voter identification or registration, prisoner management, healthcare, and more.





## CAPTURE MULTIPLE BIOMETRIC FEATURES



MultiCheck™-C offers multiple data capture options including fingerprint, facial, and iris recognition. Among the non-biometric data capture options, it features an industry-leading 1D/2D barcode scanner, 13.56MHz NFC/HF RFID reader, and a 13MP autofocus camera with flash to capture clear photos and videos even under dark or back-lit conditions.





## Perfect battery life for a full day of work

Equipped with a 5000mAh long life battery to support a full day of non stop field level activity, this device can be continuously used for about 12 hours, covering maximum daily usage for your activities.

## RUGGED BIOMETRIC DEVICE

The MultiCheck™-C biometric device is built with a rugged, shockproof, and dustproof design for both industrial and field level use. It can withstand nearly any kind of weather condition in every part of the world. It also comes with fast and stable 4G, WiFi, Bluetooth connectivity to meet your network needs both indoors and outdoors.





## AFFORDABLE MOBILE BIOMETRIC DEVICE

The MultiCheck™-C not only comes with some jaw-dropping specifications like support for multiple biometric modalities, industry-leading performance, and a rugged design, this portable biometric device is also very affordable. Combining advanced hardware specs with our versatile app and biometric software makes the MultiCheck™-C a game-changer for any business, government agency, or other organization.



# Specifications

## Physical Characteristics

<b>Dimensions</b>	164.2*78.8*17.5mm/6.46*3.10*0.69in; (Capacitive the thickest:
<b>Weight</b>	<314g/11.08oz
<b>Display</b>	5.2" IPS FHD 1920x1080
<b>Touch Panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Power</b>	Main battery: Li-ion, rechargeable, 5000mAh Standby: over 350 hours Continuous use: over 12 hours (depending on user environment) Charging time: 3-4 hours (with standard adaptor and USB)
<b>Expansion Slot</b>	1 slot for SIM card, 1 slot for SIM or TF card
<b>Interfaces</b>	USB 2.0 Type-C, OTG
<b>Audio</b>	Speaker, 2 microphones
<b>Keypad</b>	4 front keys, 1 power key, 2 scan keys, 1 multifunctional
<b>Sensors</b>	Gravity sensor, light sensor, proximity sensor, vibration

## Fingerprint

<b>Sensing Area (mm)</b>	12.8x18; 10.4x14.4
<b>Resolution (dpi)</b>	508 dpi, 8-bit greylevel
<b>Certifications</b>	FIPS 201, STQC
<b>Format Extraction</b>	ISO 19794, WSQ, ANSI 378, JPEG2000
<b>Fake Finger Detection</b>	Support by SDK
<b>Security</b>	AES, DES key encryption of the host communication channel

## NFC

<b>Protocol</b>	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
<b>Frequency</b>	13.56MHz
<b>Chips</b>	M1 card (S50, S70), CPU card, NFC tags, etc.
<b>Range</b>	2-4cm

## Performance

<b>CPU</b>	Cortex-A53 Quad-core 1.3GHz
<b>RAM+ROM</b>	2GB+16GB
<b>Expansion</b>	Supports up to 32 GB Micro SD card

## Barcode Scanning (optional)

<b>1D</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>Symbologies</b>	
<b>1D Linear Scanner</b>	Zebra SE965 / Honeywell N4313
<b>2D Imager Scanner</b>	Zebra: SE4710 / SE4750 / SE4750MR; Honeywell: N6603
<b>2D</b>	PDF417, MicroPDF417, Composite, RSS, TLC-39,
<b>Symbologies</b>	Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

## User Environment

<b>Operating Temp.</b>	-40F to 122oF / -20oC to 50oC
<b>Storage Temp.</b>	-40oF to 158oF / -40oC to 70oC
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Drop Specification</b>	Multiple 1.8m/5.9ft drops (at least 20 times) to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5m/1.6ft falls at room temperature
<b>Sealing</b>	IP65 per IEC sealing specifications
<b>ESD</b>	±8KV air discharge, ±4KV conductive discharge

## Communication

<b>WWAN (Europe)</b>	2G: 850/900/1800/1900MHz 3G: 850/900/1900/2100MHz 4G: B1, B3, B5, B7, B8, B20, B40
<b>WWAN (America)</b>	2G: 850/900/1800/1900MHz 3G: 850/900/1700/1900MHz 4G: B2, B4, B7, B12, B17
<b>WWAN (China)</b>	2G: 900/1800MHz 3G: 900/1900/2000/2100MHz 4G: B1, B3, B5, B38, B39, B40, B41
<b>WWAN (Others)</b>	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal Depending on the country's ISP
<b>WLAN</b>	
<b>Bluetooth</b>	Bluetooth 4.0, BLE
<b>GNSS</b>	GPS/AGPS, GLONASS, BeiDou; internal antenna

## Camera

<b>Rear Camera</b>	13MP Autofocus with flash
<b>Front Camera (optional)</b>	5MP camera

## Data Collection

## Developing Environment

<b>Operating SDK</b>	Android 6.0 Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## Iris (optional)

<b>Rate</b>	<150ms
<b>Range</b>	20-40cm
<b>FAR</b>	1/10000000

## Accessories



Cradle (Optional)



AC Adaptor



USB Cable

# Supported Biometric Software's

MultiCheck™-C and our three cloud solutions work together in one place to simplify your development.

## CloudApper™



**Get a customized Biometric solution or build your own app**

Easily create your own enterprise cloud application with this revolutionary rapid development toolkit without any programming knowledge at all!

## CloudABIS™



**Robust Biometric Matching System (Web API)**

Use biometrics-as-a-service (BaaS) with our Web API for fast & accurate biometric identification technology at an affordable cost.

## CloudScanr™



**Easy Biometric Hardware integration with CloudScanr™**

Application for biometric device integration, that eliminates the headaches associated with the process of integrating biometric hardware into Windows App & Web browsers

# LET US KNOW IF YOU NEED HELP

## Contact Us

### Global Headquarters:

1050 Crown Pointe Pkwy.  
Suite 850  
Atlanta, GA 30338  
Phone: (678) 203-4268  
Email: [info@m2sys.com](mailto:info@m2sys.com)  
Website: [www.m2sys.com](http://www.m2sys.com)



[linkedin.com/m2sys-technology](https://www.linkedin.com/m2sys-technology)



[twitter.com/m2sys](https://twitter.com/m2sys)



[facebook.com/m2sys](https://www.facebook.com/m2sys)



[youtube.com/M2SYS](https://www.youtube.com/M2SYS)