



MultiCheck™ -E Mobile Biometric Reader

by **M2SYS**

Handheld Biometric Reader for Fingerprint & Iris Recognition

A mobile biometric device which can be used anywhere you want for biometric identification and registration applications. It has a modern design and rugged build, which adds a sophisticated outlook to the device, while its lightweight build makes it a perfect choice to carry around with.





Versatile Device to Match Your Diverse Project Needs

MultiCheck™-E is a highly versatile mobile biometric device with multiple biometric modality scanning support including fingerprint, iris and facial recognition. When combined with the CloudApper™ no-code app creation platform, the invention can be used for diversified business applications. MultiCheck™-E is an environment-friendly device and can be used in a wide range of environments without compromising the quality of biometric scanning & enrollment service.

Powerful Battery Life

Now you can achieve a full day of biometric enrollment and authentication work without worrying about battery life. This device comes with a fantastic 5,000mAh Li-ion battery - which allows for a full day nonstop biometric scanning capability in a single full charge.



5,000mAh
Li-ion battery



Reliable Mobile Fingerprint Scanner

MultiCheck™-E is powered by FBI FAP20 certified Suprema fingerprint sensor with 500 DPI and image capture speed of up to 6 ms. You can get exceptional fingerprint image quality even under extreme direct light condition up to 100,000 LUX with this device. Which means accurate and reliable fingerprint scanning than before.

Next Generation Fingerprint Scanning with Liveness Detection

MultiCheck™-E is equipped with some next-generation fingerprint scanning technology, like liveness detection, which can identify live fingers made from various materials including clay, rubber, silicon, glue, paper, film and more. It detects irregular changing patterns of separated areas, partially dark area, distorted boundary shape, and significant movement of the core part of the finger to distinguish real from fake fingers. This adds an extra layer of security to your project and protects you from any spoofing or fraudulent activities.



Scan Iris with Powerful Camera

MultiCheck™-E comes with an 8MP autofocus camera with Sony Image Sensor, Osram Infrared LED and flashlight gives you clear iris scanning result. You can grab high-quality dual iris images and identify individuals with a fantastic accuracy of FRR: <0.1% & FAR: <0.0001%.





Powerful Mobile Device

MultiCheck™-E will make your work experience more fluid and efficient through its mesmerizing 5" touchscreen, powerful 64-bit quad core processing CPU, 1GB/2GB RAM, and 8GB/16GB ROM. Among the other forms of identification, it supports CPU card reading for e-passport scanning, NFC, RFID reader. The device is powered by Android 5.1 operating system and can communicate data over Bluetooth, Wifi, GSM & WCDMA networks.

Technical Parameter:

Physical Parameter			
Type	Handheld Terminal	Keys	Power Button, Volume Button, Camera Quick Button
Dimensions (L*W*D)	182 mm x 81 mm x 25mm	Weight	500g(Including Battery)
Function Parameter			
Operating System	Android 5.1	Memory	1GB RAM, 8GB ROM (2GB RAM+16GB ROM available)
CPU	MTK6735, 1.3Ghz, Quad Core	Camera	Rear 8.0M Pixels, Auto Focus with Dual Flash(13MP could be customized)
Memory and Extension	Micro SD Card, up to 32GB	Networks	GSM: 850/900/1800/1900
GPS	GPS,GLONASS supported,10m		WCDMA: B1/B2
Bluetooth	BT 4.0 LE		CDMA: BC0
WIFI	IEEE 802.11b/g/n		TDS-CDMA: B34/B39
Display	5 inch Display, Resolution 854*480 Capacitive touch screen		FDD-LTE: B1/B3
PSAM Card	1 PSAM card slot, ISO7816 supported		TDD-LTE: B38/B39/B40/B41
Function Module			
RFID(Optional)	14443A/B, s50s70 cpu card, NFC, support E passport reading	Contact Card Reader (Optional)	ISO7816 Compatibility, Support CPU Card Reading
Fingerprint Scanner	500dpi / 256 gray resolution, image Size: 300 x 400 pixels, WSQ Compression available, ISO197942, ANSI378 template, FBI PIV, FBI Mobile ID FAP20, IP65 certified, Image Format ISO19794-4, support live finger detection, work under direct sunlight available.	Iris Scanner(Optional)	ISO/IEC 19794-6 and ISO 8583, Capture Mode: dual iris FRR: <0.1% FAR: <0.0001%
Other Parameter			
Battery Pack	3.7V, 5000mAh	Charging interface	DC 5V 2A
USB	Mini- USB 10pin	Speaker	Supported
Voice Call	Supported	Reliability	MTBF no less than 5000 hours
Usage Environment			
Operating Temp	0°C~50°C	Working humidity	10% ~90%RH(40°C)
Storage Temp	-10°C~60°C	Storage humidity	5% ~90%RH

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
Website: www.m2sys.com



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



twitter.com/m2sys



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



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