



- OCR (MRZ)**
- Fingerprint**
- Contact-type Smart Card Reader**
- MSR**
- 1D / 2D Barcode**

# EID10 PLUS

## EID & Passport Reader

### Key Features

- 1.8GHz Octa core CPU (SAMSUNG Exynos)
- RAM 3GB / ROM 16GB
- Android 6.0 Marshmallow
- 4G LTE support
- IP64 & 1.5m drop



## EID10 Specification

OCR (MRZ Reader)	
Standard OCR Fonts	OCR-B and E13B
Machine Readable Passports (MRP)	2 lines of 44 characters
Machine Readable Visas (MRV)	2 lines of 44 characters, 2 line of 36 characters
Travel Documents	2 lines of 36 characters, 3 line of 30 characters
Field of View Object Height	19.6 mm nominal
Depth of Field	1.5 mm maximum from imager window
MSR (Magnetic Swipe Card Reader)	
Magnetic Swipe Reader	Reads magnetic cards complying with ISO7811/2-5
Fingerprint Authentication Performance	
EER (Equal Error Rate)	< 0.645%
Enrollment Time	< 1 sec
Verification Time	< 1 sec
Fingerprint Sensor	
Sensor Type	Touch Area Sensor
Sensing Area	8.0mm(W) x 8.0mm(L) x 0.7mm(D)
Sensing Array	160 x 160 Pixel (508dpi)
Pixel Resolution	256 gray scale values
1 Finger 1 Template Data	256 Byte
Dimension and Environment	
Dimension	78mm(W) x 112mm(L) x 46mm(D)
Weight	110g
Drop	1.5m
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C
Compatible Devices	RP1500 and RP1600

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MSR (Magnetic Swipe Card Reader)	
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Fingerprint Authentication Performance	
FAR (False Acceptance Rate)	< 10 <sup>-8</sup> (Depending on the security requirements)
Verification Time	0.6 sec in 1:1 mode, 0.7sec in 1:500 mode
Fingerprint Sensor	
Sensor Type	Optical Sensor
Sensing Area	22.0mm(W) x 14.0mm(L)
Sensing quality	500 dpi
Pixel Resolution	256 gray scale values
Database capacity (users)	500 (Standard) up to 5000
Database capacity (templates or fingers)	1000 (Standard) up to 10000
Matching capability (1:N)	1:500 (Standard) up to 1:5000
Matching speed	0.6s in 1:1 mode / 0.7 in 1:500 mode
1 Finger 1 Template Data	256 Byte
Certifications	FBI PIV IQS / ISO 19794-4: 20011(Annex. B) MINEX & FIPS 201 compliant algorithms / STQC
Dimension and Environment	
Dimension	78mm(W) x 147mm(L) x 46mm(D)
Weight	172g
Drop	1.5m
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C
Compatible Devices	RP1500 and RP1600



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