

The EI657 Mobile Bio/Card Reader is one of the most advanced devices available in the market. Offering multi - factor authentication for secure identity verification. It is available in different combinations - only card, only bio or card + bio options. It supports multiple communication interfaces and is compatible with a wide range of card technologies.

It is available with the battery operated handheld device.

The templates can be either stored directly in the device or in smart card, based on the functionality in 1:N or in the card 1:1 mode.

EI657 Mobile Bio readers (1:N) offers high level security by combining World's number one fingerprint scanning technology for secure user verification and authentication. The verification time would be less than 2 second for 10000 users. It can store up to 3,00,000 transactions based on the requirement. The Card based Bio (1:1) can be store upto 50000 cardholders and 1,00,000 transactions.



## Salient Features

- High Performance Linux based Operating System
- Device is logically designed in modular way for any future firmware upgrades
- Conforms to ISO 14443A (Type 1, 2, 3) (13.56 MHz), Smart cards like Mifare classic, Desfire EV1, SCOSTA etc
- Built-in Ethernet interface (RJ45), RTC with NVSRAM, (Optional Wi-Fi, USB )
- The perfect battery operated handheld device
- Robust display, 2 Line 16 Character LCD display
- Audio-Visual feedback
- Easy to configure and use
- 500, 3000, 5000 and 10,000 Biometric user capacity

Specifications	EI 657 Mobile Bio/ Card Reader
<b>Micro-Processor</b>	ARM - Cortex A7 up to 600 MHz, Customized Linux OS Version 4.1
<b>Communication Interface</b>	TCP/IP by default (Wi-Fi, USB on request)
<b>Communication Protocol</b>	TCP/IP, (On Request - HTTP / HTTPS, MQTT / MQTTS )
<b>Storage Memory</b>	256 MB Flash, Extendable up to 4 GB
<b>Transaction capacity</b>	Upto 300000
<b>Image Sensor</b>	500 DPI
<b>Visual Indication</b>	Separate Green & Red LED indicator for access granted and denied status with amber color reader working indicator. Separate LCD display (16 character x 2 Lines Alphanumeric with 4mm character height).
<b>Audio Indication</b>	Buzzer
<b>Operating Temperature</b>	-10 C to +50 C
<b>Storage Temperature</b>	-20 C to + 60 C

Technical Data	EI 657 Mobile Card Reader	EI 657 Mobile Bio Reader
Card Reader frequency	13.56 MHz Default, On demand 125 KHz	13.56 MHz Default, On demand 125 KHz
Users capacity	For only Card (1:1 mode) 50000 users default scalable up-to 132000 users.	For Card + Bio (1:1 mode) 50000 users default scalable up-to 132000 users. For only Bio (1:N) 500/3000/5000 & 10000 users on standalone mode.
Transaction capacity	256 MB—10,0000 scalable to 300000 for 4 GB Flash	256MB—10,0000 scalable to 300000 for 4 GB Flash
Input Power	12 - 14V DC @ 2A	12 - 14V DC @ 3A
Built-in Battery	5200 mAH ( upto 5 Hours approx.)	5200 mAH ( upto 3 Hours approx.)
Biometric Sensor	NA	Optical - Finger sensor - Morpho - 500 DPI
F.A.R / F.R.R	NA	0.001% / 0.1% (configurable based on user conditions)
Finger template format	NA	Morpho Secured format or ISO19794 -2/4 (On Demand)
Input / Output	4 optically Isolated / 3 Potential Free Contacts with NO/NC option	4 optically Isolated / 3 Potential Free Contacts with NO/NC option
Normal current consumption	< 500 ma	<500 ma
Activated current consumption	<600 ma	<650 ma
Read range	40 - 60 mm	40 - 60 mm
Operating temperature	-10 C to +50 C	-10 C to +50 C
Relative humidity	90% max, operating non-condensing	90% max, operating non-condensing
Reader dimensions	195 x 88 x 46 mm	195 x 88 x 46 mm
Weight	1200 gms approximately	1250 gms approximately
Housing Material	Acrylonitrile Butadiene Styrene (ABS)	Acrylonitrile Butadiene Styrene (ABS)
Storage Memory	256MB RAM, with 256MB Nand Flash extendable up-to 4GB	256MB RAM, with 256MB Nand Flash extendable up-to 4GB
Keypad	On Request	On Request
Visual Indication	Separate Green & Red LED indicator for access granted and denied status with amber colour reader working indicator. Separate LCD display (16 character x 2 Lines Alphanumeric with 4mm character height).	Separate Green & Red LED indicator for access granted and denied status with amber colour reader working indicator. Separate LCD display (16 character x 2 Lines Alphanumeric with 8mm character height).
Audible tone	Buzzer: 70 dB	Buzzer: 70 dB
Color	Black matt finish	Black matt finish
Warranty	Warranty for 1 year against defective workmanship. Technology warranty for 5 years	Warranty for 1 year against defective workmanship. Technology warranty for 5 years

### EI RFID Solutions Private Limited

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