EI 653 QR Code SERIES

EI 653 QR Code reader is one of its kind multi technology reader. It has a QR/Bar code interface coupled with a MIfare/Desfire interface. It can read 1D,2D barcodes along with QR code from different media, be it paper pass or Mobile display. The Flat bed QR code interface is external hence can be fixed onto any Turnstile or Flap Barrier ergonomically. It comes with inbuilt memory to hold the User and transaction DB. In addition it can be directly connected to the barrier for authorization.

Salient Features

- Device is logically designed in modular way for any future upgrades
- Built-in Ethernet interface (RJ45), RTC with NVSRAM
- Low power consumption
- Barcode capture from Digital (Mobile) or Printed (paper) media
- Swift scanning in sense Mode
- Robust display, 2 Line 16 Character LCD.
- Audio-Visual feedback
- Easy to install, configure and use
- Also available in BIS, CE, ROHS and FCC compliant versions

Specifications	EI 653 QR Code
Micro-controller	32 bit – 512kB programmable Flash – Cortex M3 architecture
Communication Interface	TCP/IP by default, RS232, RS485, Weigand, GPRS & UL294 POE on request
Input Power	12 – 14V DC @ 2A
Storage Memory	512 KB NVSRAM with 16 Mb Flash extendable upto 64 Mb
Transaction capacity	16Mb – 100000 users scalable to 400000 users for 64 Mb Flash
Image Sensor	752 x 480 CMOS
Resolution	10Mil
Light Source	White LED
Through put	45 per minute in standalone mode. On server mode through put will vary
Scan Window	38.3mm*60.4mm
Symbologies	· 2D: PDF417, Data Matrix, QR Code · 1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar (RSS-Expand, RSS-Limited, RSS-14), Code 39, Code-11, MSI-Plessey, Plessey.
Visual Indication	Tri color LEDs – Green, Red and Amber. LCD Display - 16 chars x 2 Lines Alphanumeric
Audio Indication	Buzzer
Input / Output	4 optically Isolated / 3 Potential Free Contacts with NO/NC option
Operating Temperature	-10 C to +50 C
Storage Temperature	-20 C to + 60 C
Warranty Policy	Warranty for 1 year against defective workmanship. Technical warranty for 7 years

Technical Data	EI 653 CLSC Reader	EI 653 IP65 Casing
Micro-controller	32 bit – 512kB programmable Flash – Cortex M3 architecture	32 bit – 512kB programmable Flash – Cortex M3 architecture
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) 33000 users default scalable up-to 132000 users.	For Card + Bio (1:1 mode) 33000 users default scalable up-to 132000 users. For only Bio (1:N) 500/3000/5000 & 10000 users on standalone mode
Transaction capacity	16Mb – 100000 scalable to 400000 for 64 Mb Flash	16Mb – 100000 scalable to 400000 for 64 Mb Flash
Input Power	12 – 14V DC @ 2A	12 – 14V DC @ 3A
Communication Interface	TCP/IP by default, RS232, RS485, Weigand & GPRS & UL294 POE on request	TCP/IP by default, RS232, RS485, Weigand & GPRS & UL294 POE on request
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	150 ma	150 ma
Activated current consumption	180 ma	500 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	200 x 150 x 96 mm
Weight	190 gms	650 gms
Housing Material	Poly Propyl 140	Polycarbonate
Storage Memory	512 KB NVSRAM with 16 Mb Flash extendable up-to 64 Mb	512 KB NVSRAM with 16 Mb Flash extendable up-to 64 Mb
Keypad	Built-in Touch keypad (16 keys with 4 Function keys)	Built-in Touch keypad (16 keys with 4 Function keys)
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: 50 dB	Buzzer: 120 dB
IP Rating	NA	IP54 or above
Color	Charcoal grey (multiple color options on request)	Charcoal grey (multiple color options on request)
Warranty	Warranty for 1 year against defective workmanship. Technology warranty for 7 years	Warranty for 1 year against defective workmanship. Technology warranty for 7 years