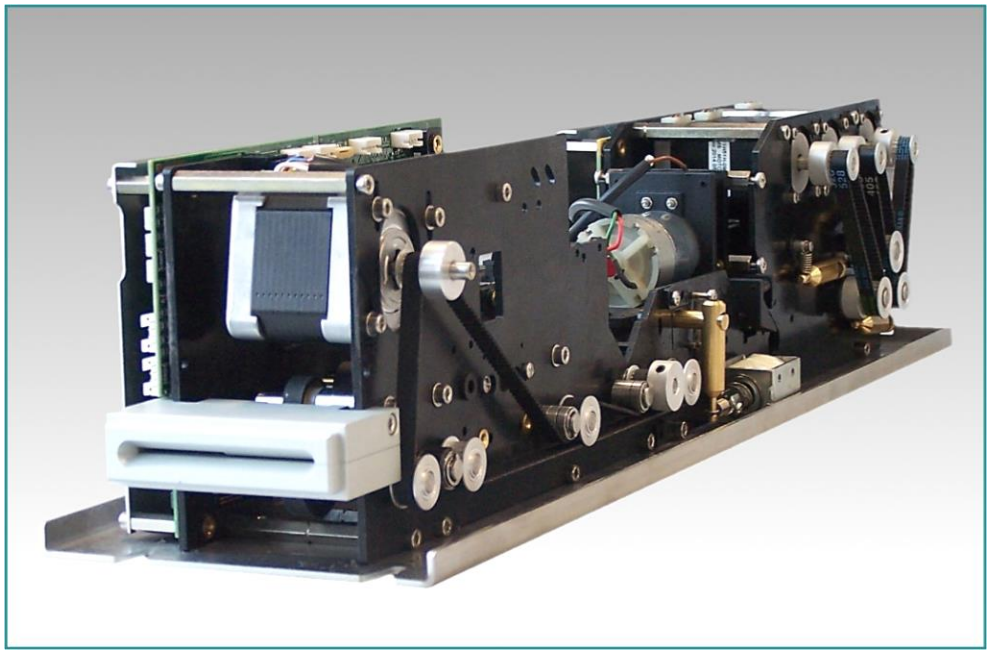
EMTS_E MAGNETIC READER / WRITER



DESCRIPTION

As result of many years of experience in the field, the EMTS_E system combines know-how, technology, market requirements and high performances in a reduced space and preserves flexibility, ease of maintenance and complexity of applications met.

The EMTS_E module can read and encode simultaneously up to 4 magnetic tracks at 33, 75,105 and 210 Bpi in ISO standard TRANSAC and Split Phase, in central and/or lateral, upper and/or lower position.

Supported standards: EN ISO/IEC 7810, EN ISO/IEC 7811, EN ISO/IEC 7816, EN 753, ISO 3554, others upon request.

BASE VERSION CHARACTERISTICS

Compact module equipped with an original roller transport system that can handle plastic cards and paper tickets. The ticket transport is carried out by a stepping motor.

The module can encode and read ISO 2 LoCo magnetic standard lateral track at 75 bpi or in central position. It can also handle tickets and cards with variable thickness, ranging from 0.18 up to 0.8 mm. It is also possible to install a front opening to ease ticket introduction.

ELECTRONIC FEATURES OF BASE CPU BOARD

CPU board with proprietary firmware:

- CPU board with ARM M3 CORTEX processor
- Ram memory up to 512 KB
- Flash Memory 512 KB

BASE VERSION OPTIONAL DEVICES

- P1 single line longitudinal impact printer
- J8 single line 64 dots 203 dpi longitudinal thermal printer
- T2 Full graphics thermal printer at 203 dpi
- EMV level 1 ready Contactless card unit
- EMV level 1 ready Contact chip card unit
- Shutter option for front opening
- Drop version
- Reading and encoding of four magnetic tracks at 75 or 210 bpi, or custom
- Magnetic encoding at high/low coercivity
- Reading and encoding of TRANSAC tracks

OPTIONAL DEVICES AVAILABLE UPON REQUEST

- **FED/1R** – Feeder for tickets 85.6 mm in fanfold or roll, equipped with motorized cutting unit, ticket parking unit and microprocessor control board. Coupled with EMTS_E it creates a fast and compact ticket dispenser that can also be used in automatic cashers. The parking unit present on the module allows to read a ticket, calculate the fee, park the ticket and accept the insertion of a credit card. After payment processing and retuning the credit card to the user, the ticket can be swallowed or reloaded for magnetic validation, printing and finally returned to user

- **FED2R/3R** – Dual / triple feeder for tickets in roll or fanfold, for long lasting issuing machines. This feeder is a simple and compact unit for ticket feeding and cutting in dual or triple version. Coupled with the EMTS_E it can issue the same kind of titles or different tickets with high performances, thanks to an original paper transport system based on two/three stepping motors
- **SINGLE STORE MODULE** Ticket parking device
- **DUAL STORE MODULE** Card and ticket parking device
- **MECHANICAL INVALIDATOR** Mechanical punching on magnetic stripe and card swallow
- **METRO MODULE** Rear exit device for turnstile applications; it allows issuing of validated and printed tickets from the rear side of the module towards the top

TECHNICAL DATA

Dimensions (mm.) with front opening and support	
EMTS_E with thermal full graphics printer	110.6 (H) x 240.0 (L) x 114.2 (W)
EMTS_E+FED/R with single line long. impact printer	122.0 (H) x 405.0 (L) x 114.2 (W)
EMTS_E+FED2R/3R with thermal printers	110.6 (H) x 461.0 (L) x 124.0 (W)
EMTS_E+SINGLE STORE	110.6 (H) x 328.0 (L) x 124.0 (W)
EMTS_E+DUAL STORE/MECH INVALIDATOR	110.6 (H) x 338.5 (L) x 124.0 (W)
EMTS_E+METRO MODULE	123.0 (H) x 325.0 (L) x 124.0 (W)
Power supply	24 Vdc 2.5 / 3.6 / 10 A max
Operative speed	Up to 600 mm/s
Print area	Impact 15 x 82 mm Thermal 48 x 80 mm Thermal 8 x 80 mm
Magnetic head average life	>1.000.000 operations
Interface	EIA RS232C up to 115 Kbps
Protocol	Proprietary
Certification	EMC 2015-020

ADEL S.r.l. reserves the right to modify technical data without prior notice

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