

Fast, small and reliable  
ticket printer / encoder  
for ISO credit card sized  
tickets



- Magnetic encoding/verification, and reading on up to 3 tracks
- Loyalty card reading through front
- 1.9 seconds to issue a ticket
- Easy maintenance through long-life design
- No consumables and 100% verification; guarantees ticket usefulness
- Network connectability

professional  
**printer**  
solutions



**SWECIN**

A Zebra Technologies Company

[www.zebra.com](http://www.zebra.com)

## TTPM3 Ticket Printer / Encoder

Ticket issuing is a critical part of any transport or entry system. Tickets must be produced reliably; when a queue lines up in front of a sales booth or a kiosk, one must know that tickets are produced hassle free and swiftly. Swecoin has 15 years experience of this with the TTPM1 and TTPM2 and that knowledge now evolves into the next generation, The TTPM3.

The TTPM3 adds speed and three track encoding in a single pass, and much more to the TTPM2 list of features.

For longer service intervals, TTPM3 is equipped with a new thermal printhead with a near-diamond-like coating that resists scratches and leads away static electricity. Magnetic write heads

with ceramic coating can be added to extend service life even further. Much effort has been put into ticket transport so that it runs as smooth as ever possible.

The new magnetic module that encodes the stripe on the tickets encode and verifies 1, 2 or 3 tracks at once. The module is easy to set to LoCo and HiCo so the same printer can encode any ticket.

### Application examples

- Amusement parks
- Hotel and cabin door keycards
- Theaters
- Sports arenas
- Corporate entry
- Public transport
- Road tolls
- Parking systems

#### GENERAL

|                     |  |
|---------------------|--|
| Printer control     | Simple plain text commands.  |
| Print method        | Direct thermal line printing means no ink, no toner, no ribbons, just the paper! |
| Resolution          | 191 x 216 dpi or 191 x 157 dpi   |
| Ticket issuing time | 1.9 s/ticket -(encode/verify/cut/print/eject)<br>1 s/ticket in "peak hour mode"  |
| Max print width     | 51 mm = 348 pixels   |
| Interfaces          | RS-232 serial (optional TCP-IP Network)  |
| Storage             | Flash memory for easy firmware upgrade.  |

#### PAPER

|                   |  |
|-------------------|--|
| Ticket supply     | Fanfold or loose leaf tickets, opt. roll paper   |
| Ticket feed       | Two entries at the rear of the printer; and one at the front for hand feeding. The rear entries can be configured so that both take continuous stock like roll or fanfold, or so that one takes continuous stock and the other take hand feed tickets. |
| Ticket separation | Synchronized on gap, unsynchronized (set length) or optional black mark.   |
| Roll diameter     | 400 mm max   |
| Spindle diameter  | 120 mm min   |
| Paper width       | 53.98 mm (ISO 7810 width)  |
| Ticket length     | 85.6 mm and 110 mm,  |
| Paper weight      | 175 -400 g/m2 (0.17 - 0.40 mm)   |
| Paper sensors     | Out of paper; input 1, out of paper input 2  |

#### PRINT FUNCTIONS

|                 |   |
|-----------------|---|
| Orientation     | Four print directions                             |
| Standard fonts  | Monospaced, and Proportional                      |
| Text attributes | Reverse print, multiple -width, multiple height   |
| Bar codes       | EAN 13 and 128, Code 39, 128, and 2/5 Interleaved |
| Images          | Yes   |

#### MAGNETIC ENCODING

|                    |  |
|--------------------|--|
| Encoding method    | F2F  |
| Density            | 75, and 210 bpi. Optional 105 and 161 bpi  |
| Speed              | 400mm/s  |
| Encoding energy    | Continuously variable encoding energy<br>Easily set to LoCo or HiCo  |
| Magnetic Tracks    | ISO tracks 1 & 2 or 2 & 3.<br>All tracks can be encoded simultaneously.  |
| Optional track pos | 7 mm wide Center track, or mirrored tracks, or tracks 1 & 2 & 3 at once. Other track positions available on request.   |
| Pre-encoding       | Tickets can be encoded verified and cut, then stopped before print. Now only print has to be added to give out the ticket. This doubles throughput in road tolls at peak hours (peak hour mode). |

#### MAGNETIC READING

|           |   |
|-----------|---|
| Read head | Two or three track read head separated from write so encoding can be verified without reversing feed direction. Hand fed tickets also accepted in front, and upper rear entry |
|-----------|---|

#### MISCELLANEOUS

|                    |   |
|--------------------|---|
| Environment        | 0 to +40°C,<br>35 to 75% RH, non-condensing |
|                    | <i>OEM mechanism</i> <i>Desktop printer</i> |
| Size (w x h x d)   | 143x151x252 mm      180x160x340 mm          |
| Weight             | 4.5 kg      6 kg                            |
| Power requirements | 24Vdc 2A, peak 6A      100V - 240V          |
| Printhead life     | 100 km of paper                             |
| Magnetic head life | 1 000 000 tickets                           |
| MTBF               | 500 000 tickets                             |



# SWECOIN

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#### EUROPEAN HEAD QUARTERS

|          |   |
|----------|---|
| ADDRESS  | Swecoin AB, Box 322<br>SE-192 30 Sollentuna, SWEDEN     |
| VISITORS | Bergkällavägen 32, Sollentuna                           |
| PHONE    | +46 8 623 45 60   |
| FAX      | +46 8 594 709 89  |
| E-MAIL   | SwecoinSalesEMEA@zebra.com<br>EMEASwecoinTech@zebra.com |
| WEBSITE  | www.zebra.com   |

#### USA

|  |  |
|--|--|
|  | Swecoin US Inc. 30 Plan Way<br>Warwick, RI 02886-1012, USA |
|  | +1 800-556-7266  |
|  | +1 401-739-3435  |
|  | SwecoinSales@zebra.com<br>SwecoinTechSupport@zebra.com     |
|  | www.zebra.com  |