TICKET PRINTER/ENCODER

TTPM3

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 validity
- Network connectability

professional **printer** solutions

Zebra

www.zebra.com/kiosk

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. Zebra has 15 years experience of this with the TTPM1 and TTPM2 and that knowledge now evolves into the next generation, The TTPM3.

The Zebra 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 furhter. 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) 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 Easily set to LoCo or HiCo
Magnetic Tracks	ISO tracks 1 & 2 or 2 & 3. 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, 35 to 75% RH, non-condensing	
	OEM mechanism	*Desktop printer*
Size (w x h x d)	143x151x252 mm	180x160x340 mm
Weight	4.5 kg	6 kg
Power requirements	24Vdc 2A, peak 6A	100 V - 240 V
Printhead life	100 km of paper	
Magnetic head life	1 000 000 tickets	
MTBF	500 000 tickets	

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