

Magnetic Card Encoder



SWR

High-Speed
at an ideal price/performance ratio

OEM
QUALITY ASSURANCE
PRODUCTION
DESKTOP
ACCESSORIES

RINAS SWR

RINAS SWR – MAGNETIC CARD ENCODER PROCESSING UP TO 6,000 CARDS/HOUR

The quality of the encoding and the durability of the technology are the decisive characteristics of today's card personalization. High effectivity and optimized materials usage are also key features of slimline production. For this reason, Rinas has incorporated the elementary SWR, with reduced throughput into its product portfolio to complement its flagship product, the HWR, with a throughput of up to 18,000 cards per hour.



Minimum set-up and service times for maximum productivity

The Rinas SWR achieves a throughput of up to 6,000 cards per hour (cph), which is more than sufficient for many of today's production facilities. Seamless inline card verification is, of course, standard.

This includes a plausibility check as well as a check of header bits, start and end characters, parity, bit density and the calculation of checksums of all standard and customer specific norms.

The changeover between HICO and LOCO is performed quickly and simply via software. The adaptation to suit special card thicknesses can be performed either at the factory or at the customer's site simply by exchanging the encoder and motor plate (toolless).

The SWR can also encode gift or customer loyalty cards with customer-specified widths of up to 140.0 mm. Here, a special conversion kit is required for each width setting and the conversion time is fast at under 15 minutes.

Different card standards need to be processed? No problem - with the JIS module, which is simply screwed to the standard SWR encoder, up to three ISO tracks and an opposing JIS track can be processed in a single pass.

Encoding Parameters

Magnetic Stripe

- LOCO: up to 3 tracks
- HICO: up to 3 tracks
- 300 Oe to 4,000 Oe

Standards

- ISO 7811
- JIS
- Visa Mini Card
- AAMVA (US driver's licence)

Encoding

- Free bit encoding
- Customized

Card Parameters

Card Dimensions (ID-1)

- Length: 85.7 mm
- Width: 54.0 mm (typical)
Up to 140.0 mm (optional)

Card Thickness

- 0.6 mm to 1.1 mm
- 0.25 mm to 0.6 mm

Card Types

- All colours
- Transparent cards
- Embossed cards

Equipment Parameters

HICO/LOCO Volume

- ≤ 6,000 cph (2 heads*)
- ≤ 3,500 cph (3 heads*)

Magnetic Strip Position

- Bottom right

Service Times

- Head replacement:
< 15 min.
- Transport wheel exchange:
< 40 min.

Control

- 1x RS232
- 5 Digital outputs
- 6 Digital inputs

Unit Dimensions (mm)

- L/W/H: 335/321/175

Weight

- 13 kg

* The SWR is available in 2 versions:

With one write and one read head (up to 6,000 cph) or with 2 write and one read head (up to 3,500 cph).

Amplitude supervision for improved QA is available for both versions but requires additional read logic (ISS-Light).

