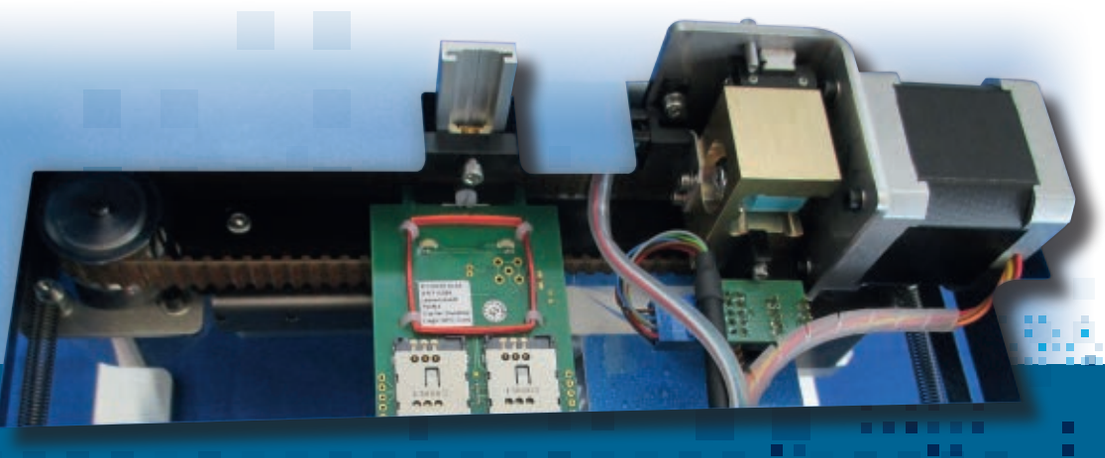
ID-1 RFID and Smart Card Encoder with Scanning Option

rinas



SRM

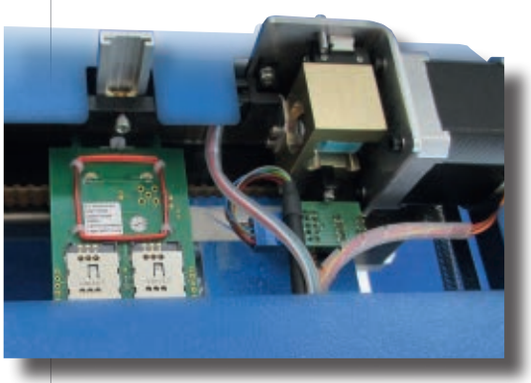
RFID / Smart Card Encoding
with scanner enhancement

OEM
QUALITY ASSURANCE
PRODUCTION
DESKTOP
ACCESSORIES

RINAS SRM

RINAS SRM – SMART CARD AND RFID ENCODING WITH OPTICAL SCANNER

This versatile stand-alone or OEM drop-in encoder is the ideal choice for personalization bureaus wishing to process a variety of ID-1 sized RFID and/or Smart Cards. Optionally available scanner units, operating in the IR or visible spectrum, facilitate data retrieval for automated processing, and the system comes complete with a range of accessories for separation, stacking and monochrome printing as required.



True versatility for maximum potential

The Rinas SRM can be fitted with a universal RFID reader, which can be height adjusted for optimum positioning between 5 mm and 30 mm, for the majority of currently available tags in use in today's card industry. Comprehensive software accompanying the Rinas reader facilitates the encoding and subsequent verification of the processed cards. Customer RFID hardware and software can of course be used in place of the Rinas solution as required.

Smart Card production is also catered for with the Rinas SRM by having individually spring-loaded chip contact pins lowered by a motor to the card's contacts. This raising and lowering action is performed at under 200 ms, which greatly contributes to a more rapid card throughput. Customer electronics addresses these pins for chip read/write operations.

Scan and printer extensions

The Rinas monochrome print solutions that complement the SRM's feature set include the field tested, high-resolution ink-jet print unit that is based on the same HP expertise in use by millions of office printers. But also, the newly-developed Rinas thermal-transfer printer and DoD solutions. All print solutions are capable of printing monochrome alphanumeric fonts, barcodes, 2D codes and Matrix codes at resolutions between 300 dpi and 600 dpi on oil-free plastic cards. Up to two scanner units, which are typically used for data acquisition or print control, recognise all common typefaces, barcodes and even 2D and Matrix codes.

Card Parameters

Card Dimensions (ID-1)
- Length: 85.7 mm
- Width: 54.0 mm (typical)
  Up to 140.0 mm (optional)

Card Thickness
- 0.5 mm to 1.3 mm

Card Types
- All colours
- Transparent cards
- Embossed cards

Encoding Parameters and Optional Accessories

RFID
- Mifare/Desfire/Legic etc. (reader dependent)

Chip
- Rinas contact unit (Customer electronics)

KVW Card Separator
- Max. 4,000 cph
- Capacity: 250/600 cards

KLE Downward Stacker
- Capacity: 250 cards
- Electrical level monitoring
- Good/bad selection possibility (optional)

KLA Upward Stacker
- Capacity: 600 cards
- "Full" recognition
- Good/bad selection

Scanner
For data acquisition or print control

- Barcodes (common)
- Matrix code (common)
- OCR
- Top and/or bottom mounting
- IR optical scanner (option)

Print Units
- Monochrome print
- Medium: Oil-free plastic or paper
- Resolutions:
  300 x 600 dpi (ink-jet)
  300 dpi (thermal-transfer)
  1,200 x 600 dpi (DoD)
- Print width:
  12.7 mm (ink-jet, per head)
  53 mm (thermal-transfer)
  54 mm (DoD)

Equipment Parameters

RFID/Chip Throughput
- Depends on scheme

Service Times
- Reader replacement: < 4 min.

Control
- 1x RS232/1x CAN
- 2 Digital outputs
- 2 Digital inputs
- TCP/IP

Unit Dimensions (mm)
- L/W/H: 270/290/170

Weight
- Approx. 6 kg

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