



MULTIFUNCTIONAL KEYBOARD

On a 265 x 400 mm footprint **TMF 100** packs a 102 key keyboard, a motorized MICR/OCR as well as a bar code document reader, a reader/writer for two ISO 7816 smartcards (teller/client) with integrated security module (SAM) badge reader. It is also set-up to interface external modules, such as a bar code reader and a pin pad.

This product has been designed and developed to satisfy the request for new applications offered by state-of-the-art technology whilst keeping in mind to take up as little space on the teller as possible.

The basic version consists of:

DOCUMENT READER

- Motorized feeding and automatic reading when the documents fall into the feeder hopper
- Read time approx. 1 sec
- Codeline MICR
TMF 100/1: CMC7-CMC0
TMF 100/2: E13B
- Codeline OCR
TMF 100/3: OCRA-OCRB
TMF 100/3: E13B

BADGE READER

- ISO 3554 trk 2&3 (1&2 on request)
- IBM 3604
- life time 500,000 readings

OPTIONS

Internal Bar code reader:

- Interleaved 2/5 medium density
- code 39 medium density
- code 128 medium density
as an alternative to OCR reading

Preparation for Smartcard Reader/Writer

- Smartcard ISO 7816
- 2 Cards simultaneously (teller/client)
- 2 internal safety modules (SAM) (i.e.: electronic purse)
- life time 200,000 insertions

EXTERNAL MODULES

External Bar-code Reader

- Laser, CCD or pen
- At keyboard emulation
- MIKROS 100 pin pad

DOCUMENT SIZE

- Length: 60-225 mm.
- Height: 30-110 mm.
- Thickness: 0.08-0.18 mm.
- Weight: 70-120 g./sq. M



PAPER HANDLING

- Reading speed: 600 mm./sec.
- Single document feeding

HOST CONNECTION

- | | |
|-------------------------------|----------------------------|
| RS232-C Serial Interface for: | Keyboard emulation for: |
| - smartcard reader/writer | - cheque reader |
| - firmware uploading | - badge reader |
| - diagnostic messages | - external bar code reader |
| - Pin pad | - keyboard |

POWER SUPPLY

- +5 V from the PC keyboard connector
- power consumption 3.5 W max.
- option for external power supply (+5 V)

DIMENSIONS AND WEIGHT

Dimensions: 265x405x60 mm.
Weight: 2.9 Kg

ENVIRONMENTAL CONDITIONS

Operating conditions: 10÷40°C, 20÷80% R.H.
Storage: 0÷45°C, 5÷95% R.H.
Transport: -15÷55°C, 5÷95% R.H.
R.H.: (20H max)

HOMOLOGATIONS & MARKS

CE (CSA C & US on request)
EN 60950