

FEATURES



USED BY:

- FINANCIAL INSTITUTIONS
- SERVICE BUREAUS
- GOVERNMENTS
- RETAILERS
- TELECOMMUNICATION
- TRANSPORTATION COMPANIES
- HEALTHCARE

IDEAL FOR:

- DEBIT AND CREDIT CARDS
CENTRAL ISSUANCE
- SMART CARDS CENTRAL ISSUANCE
- NFC CARDS
- ID DOCUMENTS
- LOYALTY CARDS
- TELECOM SIM CARDS
- ACCESS CONTROL
- COMPUTER LOG-ON
- NETWORK ACCESS

IN LINE SOLUTIONS:

- HS 8000
- CAM 8080

SOFTWARE:



Professional card production
Intelligent and secure data
management
High level graphic elaboration



PRO SERIES

MF12000



ADVANCED AND INNOVATIVE MULTI-CARD PLATFORM FOR CONTACT, RFID AND NFC CARD PERSONALIZATION, DESIGNED FOR HIGH VOLUME CENTRAL CARD ISSUANCE

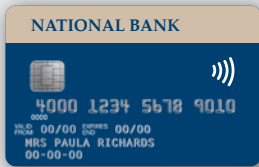
MF12000 supports a wide range of open and proprietary **CONTACT, RFID and NFC SYSTEMS**, ISO 14443, ISO 18092, NFC forum, as well as proprietary systems from MIFARE, my-d™, FeliCa™, etc. This broad compatibility provides companies and organizations with a **SINGLE SOURCE FOR their SMART CARD PERSONALIZATION NEEDS**. The platform can also be configured to personalize **HYBRID AND DUAL-INTERFACE CARDS**.

MF12000 allows customers to issue smart cards more efficiently than ever as it is equipped with **12 ENCODING STATIONS**. The platform ensures high throughput even when performing complex programming operations, such as **EMV and MULTI-FUNCTION APPLICATIONS**.

MF12000 makes multi-card processing easy, offering complete flexibility and reliability with its 12 input hoppers capable of holding 200 cards each.



FEATURES AND SPECIFICATION



12 encoding stations



CARD CAPACITY

dimensions	ISO standard CR80
thickness	0.4 to 0.8 mm - 16 to 32 mil
materials	ABS, PVC and composite
input hopper	12 input hoppers, 200 cards capacity each (Ø 0.76 mm / 30 mil)
output hopper	260 cards capacity
rejected cards	50 cards capacity

SPEED

microchip encoding 15'	1,450 cards per hour
microchip encoding 20'	1,400 cards per hour
microchip encoding 30'	1,150 cards per hour

SMART CARD ENCODING STATIONS

encoding stations	12 contact and/or contactless stations
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SMART CARD PERSONALIZATION OPTIONS

contact cards	supports ISO 7816 Class A, B and C cards (5 V, 3 V, 1.8 V) supports all ISO 7816 TA1 parameters (up to 500 Kbps, TA1=97 with a 4Mhz reader clock) reads from and writes to all ISO 7816-1, 2, 3, 4 microprocessor cards, T=0 and T=1 protocols supports memory cards using "Synchronous Card API"
RFID cards	antenna ISO/IEC 14443 compliant design - ISO/IEC 14443-4 - MIFARE: Classic 1K and 4K, Mifare plus, DESFire, Ultralight - my-d™ - FeliCa™ - ISO/IEC 18092 peer-to-peer protocol up to 412 Kbps
NFC cards	NFC forum tag type 1, 2, 3, 4

COMMUNICATION AND SOFTWARE

connectivity	RS232 serial port
operating system	Multicard compatible with Windows 7, 8
application program	User interface monitoring, card production control, automatic card remake option, pre-encoded card and smart card reading with complete processing operation, database connection, system status and help messages displayed on PC
software application (optional)	PowerCard Integration: The PowerCard Integration software is capable of managing the whole production process, from data import to card mailing, supervising multiple production lines simultaneously and ensuring complete integrity of the production area in real time. PowerCard Integration is the perfect application for production environments where a high throughput and a wide range of jobs are the norm.
protocol	SDK available on request

HARDWARE

power supply	100 - 117 - 220 - 230 or 240 Volts - 50/60 Hz
temperature	5 ÷ 40 °C / 41 ÷ 104 °F
physical dimensions	1720 W x 480 D x 350 H mm / 67.8" W x 18.9" D x 13.8" H
weight	110 kg / 242.50 lbs
floor stand	optional

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