

DATACARD® MX6000™ CARD ISSUANCE SYSTEM



A POWERFUL INLINE SOLUTION FOR SECURE, HIGH-VOLUME CARD PROGRAMS

Inspired innovation

The MX6000 system features the following modules:

- System controller
- Card input
- Card cleaning
- Magnetic stripe encoding
- OCR-B/Bar code scanner
- Contact smart card personalization
- Contactless smart card personalization
- Graphics printing
- Color printing
- Artista® VHD retransfer color printing
- Laser engraving
- Multi-card buffer
- CardGard™ UV-curing topcoat
- DuraGard® laminate
- Embossing
- Topping
- Vision verification
- Label affixing
- Card flipper
- Card output

The MX6000™ card issuance system integrates the sophisticated technologies governments, integrators, financial institutions, retailers, service bureaus and other card issuers require to produce a wide range of cards and secure IDs.

- **Optimized for high-volume performance.** The MX6000 system delivers up to 1,500 cards per hour with outstanding efficiency. The innovative platform enables issuers to meet challenging production schedules for complex cards and jobs, while maintaining exceptional card integrity. A Microsoft® Windows® operating system interface promotes ease of use, and the system enhances productivity with secure, remote diagnostics and troubleshooting.
- **Advanced inline technologies.** The MX6000 system is the first of its kind to integrate full-card, pigment-based retransfer color printing with an array of other card personalization capabilities — including direct-to-card color and graphics printing — completely inline. Plus, the system's flexible, modular design allows you to select a configuration that addresses current needs, then expand your system with new modules and technologies over time.
- **Comprehensive security.** The MX6000 system incorporates multiple security features for hardware, software and data. The system also uses access privileges and login authentication to help you control which operators have access to sensitive information.

Datacard Group

SECURE ID AND CARD PERSONALIZATION SOLUTIONS

DATA CARD®
MX6000™ CARD ISSUANCE SYSTEM

Module Specifications			
MX6000 Module	Current Draw	Heat Output	Weight
System Controller	0.79 Amps at 230V	594 BTUs per hour	240.0 lbs (109.0 kg)
Card Input	0.40 Amps at 230V	309 BTUs per hour	100.0 lbs (45.4 kg)
Card Cleaning	0.58 Amps at 230V	439 BTUs per hour	132.0 lbs (59.9 kg)
Magnetic Stripe Encoding	0.39 Amps at 230V	300 BTUs per hour	85.0 lbs (38.6 kg)
OCR-B/Bar Code Scanner	0.53 Amps at 230V	348 BTUs per hour	93.0 lbs (42.2 kg)
Contact Smart Card Personalization	0.74 Amps at 230V (11 stations)	566 BTUs per hour (11 stations)	111.0 lbs (50.3 kg) plus 1.5 lbs (0.68 kg) per programming station
Contactless Smart Card Personalization	0.74 Amps at 230V (6 stations)	566 BTUs per hour (6 stations)	111.0 lbs (50.3 kg) plus 1.5 lbs (0.68 kg) per programming station
Graphics Printing	1.40 Amps at 230V	849 BTUs per hour	116.0 lbs (52.6 kg)
Color Printing	2.77 Amps at 230V	1,904 BTUs per hour	348.0 lbs (157.9 kg)
Artista® VHD ReTransfer Color Printing	4.51 Amps at 230V	3,444 BTUs per hour	481.0 lbs. (218.2 kg)
Laser Engraving	1.33 Amps at 230V	1,020 BTUs per hour	155.0 lbs (71.0 kg)
Multi-Card Buffer	0.39 Amps at 230V	304 BTUs per hour	90.0 lbs (40.8 kg)
CardGuard™ UV-Curing Topcoat	8.74 Amps at 230V	6,790 BTUs per hour	340.0 lbs (154.2 kg)
DuraGuard® Laminate	1.61 Amps at 230V	1,110 BTUs per hour	248.0 lbs (112.5 kg)
Embossing	0.80 Amps at 230V for embossing 0.80 Amps at 230V for indent printing	606 BTUs per hour for embossing 606 BTUs per hour for indent printing	123.0 lbs (55.8 kg)
Topping	1.52 Amps at 230V	1,166 BTUs per hour	101.0 lbs (45.8 kg)
Vision Verification	0.47 Amps at 230V	365 BTUs per hour	105.0 lbs (47.63 kg)
Label Affixing	0.80 Amps at 230V	617 BTUs per hour	100.0 lbs (45.4 kg)
Card Flipper	0.46 Amps at 230V	348 BTUs per hour	93.0 lbs (42.2 kg)
Card Output	0.43 Amps at 230V	307 BTUs per hour	100.0 lbs (45.4 kg)
Key System Specifications			
Rated Speed	Up to 1,500 CPH		
Operating System	Microsoft® Windows® XP Professional		
Maximum Configuration	24 modules		
Card Types Supported	ISO/IEC 7810 ID-1 Size; 30 mil (+/- 10%)		
System Height	To top of module 50.1 in. (127.3 cm)		
System Depth	33.8 in. (85.85 cm)		
Electrical Requirements	230V, 50/60Hz, 15 Amps		
Operating Requirements	Room temperature: 65° to 80° F (18° to 27° C); Humidity: 20% to 85% (non-condensing)		
Storage Requirements	Room temperature: -50° to 130° F (-46° to 54° C); Humidity: 0% to 100% (non-condensing)		
Agency Approvals	UL, cUL, CE Compliant with the EMC, LVD and Machinery Directives. RoHS Compliant.		
Card Materials Supported	All card materials can be processed, including PVC, composite, polycarbonate, ABS, PET and PETG Limitations may exist for each personalization or verification technology		



AUTHORIZED DISTRIBUTOR
 FOR INDONESIA
PT NUMBER ONE PERSO
 16th Floor, Wisma Metropolitan II
 Kav. 29-31, Jl. Jenderal Sudirman
 Jakarta 12920 - Indonesia
 Phone : +62-21 5711850
 Fax : +62-21 5711861
 PO.Box : 8392/JKS-Jakarta 12083
 Website : www.nop.co.id
 E-mail : sales@nop.co.id

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CI7-5301