

DATACARD® MX6100™ CARD ISSUANCE SYSTEM



INTELLIGENT ISSUANCE

The MX6100 system lets you choose from the following modules:

- System controller
- Card input
- Card cleaning
- Vision verification
- Magnetic stripe encoding
- OCR-B/Bar code scanner
- MM module
- Barrel dual interface smart card personalization
- Graphics printing
- Color printing
- Datacard® Artista® VHD retransfer color printing module
- Laser engraving
- Basic topcoat
- Datacard® CardGard™ UV-curing topcoat module
- Datacard® DuraGard® laminate module
- Embossing
- Topping
- Label affixing
- Card flippers
- Single-card buffer
- Multi-card buffer
- Quality assurance
- Card output
- Datacard® MXD™ card delivery system
- Datacard® MXi™ envelope insertion system

Empowering high-volume issuers to meet new challenges

The Datacard® MX6100™ card issuance system uniquely prepares you to meet critical challenges in a digital, mobile and highly connected world — including increasingly empowered cardholders, elevated data security threats and intensified cost pressures.

- **World's Most Comprehensive High-Volume System.** All of the world's most advanced central issuance capabilities — including high-speed retransfer printing, optimized smart card personalization, inline quality assurance and advanced card delivery — are available in virtually unlimited configurations. From complex, extremely personalized jobs to high-volume jobs that require exceptional speed and efficiency — this system does it all.
- **The Ultimate in True Field Modularity.** The MX6100 system provides a full suite of personalization technologies, plus your choice of card delivery options. True field modularity and the common MX Series software platform give you freedom, flexibility and investment protection as you continue to build your operations. Start with the capabilities you need, then expand the system as your program requirements change.
- **New Levels of Efficiency.** Higher speed personalization modules, powerful system controller software and new system start-up efficiencies enable throughput up to 1,800 cards per hour and productive, nonstop handling of multiple small jobs.
- **Smart Card Productivity.** An innovative smart card module powered by Datacard® Syntera® Customization Suite Hosted Smart Card software — features a barrel dual interface design and choice of couplers to accommodate any combination of contact, contactless, dual interface or combi smart cards.
- **Quality Assurance Breakthroughs.** New automated inline quality assurance greatly reduces errors and waste by automatically verifying physical and electronic card elements. These capabilities reduce the need for manual inspection and directly contribute to higher throughput and lower costs. Savings are magnified when issuing smart cards.
- **Complete Inline Solution.** Advanced card printing and card delivery capabilities create a complete blank card-to-finished mailing solution that differentiates your card program and minimizes operations costs by greatly reducing costs associated with preprinting and inventory management of both cards and forms.

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Module Specifications

MX6100 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)
Vision Verification	0.47 Amps at 230V	365 BTUs per hour	105.0 lbs (47.63 kg)
Magnetic Stripe Encoding	0.39 Amps at 230V	300 BTUs per hour	85.0 lbs (38.6 kg)
OCR-B/Bar Code Scanner	0.46 Amps at 230V	348 BTUs per hour	93.0 lbs (42.2 kg)
MM Module	0.44 Amps at 230V	344 TBD BTUs per hour	89.0 lbs (40.4 kg)
Barrel Dual Interface Smart Card Personalization	1.3 Amps at 230V (24 heads)	1020 BTUs per hour (24 heads)	200.0 lbs (50.3 kg) plus 1.75 lbs (0.68 kg) per programming coupler
Graphics Printing	0.60 Amps at 230V	437 BTUs per hour	116.0 lbs (52.6 kg)
Color Printing	1.93 Amps at 230V	1,476 BTUs per hour	348.0 lbs (157.9 kg)
Artista® VHD Retransfer Color Printing Module	4.97 Amps at 230V	3,794 BTUs per hour	481.0 lbs. (218.2 kg)
Laser Engraving Gen 2	1.29 Amps at 230V	942 BTUs per hour	155.0 lbs (69.9 kg)
Basic Topcoat	1.79 Amps at 230V	1,390 BTUs per hour	197.0 lbs (89.4 kg)
CardGard™ UV-Curing Topcoat Module	2.24 Amps at 230V	6,790 BTUs per hour	340.0 lbs (154.2 kg)
DuraGard® Laminate Module	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	0.76 Amps at 230V	556 BTUs per hour	101.0 lbs (45.8 kg)
Label Affixing	0.54 Amps at 230V	425 BTUs per hour	100.0 lbs (45.4 kg)
Card Flippers	0.46 Amps at 230V	348 BTUs per hour	93.0 lbs (42.2 kg)
Multi-Card Buffer	0.39 Amps at 230V	304 BTUs per hour	90.0 lbs (40.8 kg)
Quality Assurance (vision & magnetic stripe only)	0.82 Amps at 230V	620 BTUs per hour	180.0 lbs (81.6 kg)
Quality Assurance (vision, magnetic stripe and smart card rack)	1.17 Amps at 230V (When configured with 11 stations)	882 BTUs per hour (When configured with 11 stations)	201.0 lbs (91.1 kg) Plus 1.5 lbs (0.68 kg) per smart card coupler
Quality Assurance (vision, magnetic stripe and smart card barrel)	2.6 Amps at 230V (When configured with 24 heads)	2,040 BTUs per hour (When configured with 24 heads)	290.0 lbs (131.5 kg) Plus 1.75 lbs (0.79 kg) per smart card coupler
Card Output	0.43 Amps at 230V	307 BTUs per hour	100.0 lbs (45.4 kg)
	Note: MX6100 system modules cannot be used in the Datacard® MX2100™ card issuance system and MX2100 system modules cannot be used in the MX6100 system.		

Key System Specifications

Rated Speed	Up to 1,800 CPH
Operating System	Microsoft® Windows® 7 Ultimate operating systems
Maximum Configuration	28 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	FCC, UL, cUL, CE and 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.

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CI13-5027