

DATACARD® MX6000™ CARD ISSUANCE SYSTEM

CONTACT SMART CARD PERSONALIZATION MODULE

The contact smart card personalization module on the MX6000 system is designed to provide flexible, high-quality smart card personalization. The modular architecture allows for the growth of smart card capacity as needed to accommodate longer encoding times without limiting system throughput. State-of-the-art couplers used within this module enable innovative and intensive smart card applications to be easily supported.

- A single module can support up to 11 programming stations
- Multiple smart card modules may be installed in the system to improve throughput or to accommodate longer programming times
- Runs side-by-side with contactless smart card modules for dual interface or combi card personalization
- Choice of couplers meets a range of market needs
- Operates with both Datacard® Affina® Personalization Manager Software (formerly Datacard® Smart Card Personalization Manager (SCPM) software) and embedded applications
- Up to four secure key reader stations are available

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C17-5250

Contact Smart Card Personalization Module Specifications	
Module Functionality	Enables the personalization of contact smart card chips
Rated Speed	Up to 1,500 CPH (Actual throughput dependent on the application and number of programming stations installed in the module)
System Configuration	Up to 4 smart card modules per system (contact, contactless or any combination)
Programming Stations	1 to 11 stations per module
Coupler Types	<ul style="list-style-type: none"> • Datacard contact smart card coupler for use with Datacard® Affina® Personalization Manager Software (formerly Datacard® Smart Card Personalization Manager (SCPM) software) • Smartware UltraSmart™ contact smart card coupler
Key Reader Stations	2 or 4 shared key reader stations for UltraSmart™ coupler; mounted externally on MX6000 system controller
Card Types Supported	ISO/IEC ID-1 Size; 30 mil (±10%) contact smart cards: ISO/IEC 7816-1, -2, -3
Protocols Supported	Full ISO 7816-3, T=0/T=1 "Raw Development Mode" (UltraSmart™ coupler)
Frequencies (Clock Speeds) Supported	3.579 MHz, 4.915 MHz, 7.159 MHz, 9.830 MHz (Datacard coupler) Up to 30,000 KHz (UltraSmart™ coupler)
Communications Speed	Supports communications speeds as defined by ISO 7816-3 without customized drivers; can support up to 1 Mbps with customized drivers developed in "Raw Development Mode"
Server-Based Application Environment	<ul style="list-style-type: none"> • Server-based application environment is supported by open standards-based Datacard® Affina® Personalization Manager Software, (formerly Datacard® Smart Card Personalization Manager (SCPM) software) • Loaders and interpreters available and supported: Affina® Profiles and Scripting Software (formerly SCPM GlobalPlatform Software Pack) and Affina® MULTOS™ Issuance Software (formerly SCPM MULTOS Software Pack) • Personalization applications and scripts available and supported: Visa® Smart Debit/Credit (VSDC), VSDC for GlobalPlatform, JCB J/Smart™, Java Card™, TIBC, VisaCash for TIBC, MULTOS® e-Purse, MasterCard M/Chip® Select for MULTOS cards, MasterCard M/Chip® Lite for Java Cards, Proton Prisma®, and all other major smart card applications • Both full PPS and automatic PPS are supported in this environment
Embedded Application Environment	<ul style="list-style-type: none"> • Embedded application environment is available when using the UltraSmart™ coupler; can be used in "ISO-Mode" or "Raw Development Mode" • "ISO-Mode" allows parameters to be selected within the ISO 7816-3 defined standard. "Raw Development Mode" allows development of customized drivers to be written to more precisely control the communication with the chip; this mode also allows development of applications to support memory cards, USB I.1 cards and other custom card application environments • Loaders, interpreters, scripts and applications are not provided by Datacard Group for this environment; they are the responsibility of the developer • Full PPS is supported in this environment
Module Dimensions	50.1 in. H x 10.0 in. W x 27.0 in. D (127.3 cm x 25.4 cm x 68.6 cm)
Key Reader Box Dimensions	3.0 in. H x 5.0 in. W x 8.0 in. D (7.6 cm x 12.7 cm x 20.3 cm)
Weight	111.0 lbs (50.3 kg) plus 1.5 lbs (0.68 kg) per programming station
Current Draw	0.74 Amps at 230V (when configured with 11 stations)
Heat Output	Average of 566 BTUs per hour (when configured with 11 stations)

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SECURE ID AND CARD PERSONALIZATION SOLUTIONS