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Crescendo® C1100 Series

Brand: Smartjac Industries Inc
Product Code: SMAH100140

Short Description

High security hybrid smart card technology for converged physical and logical access control. Perfect Credential for Converged Access to the Door and IT Resources.

Description

Crescendo is a series of multi-technology smart cards that provide users with highly secure access to the door and IT resources. Crescendo smart cards combine technologies, services, and know-how with unique attributes to deliver a trusted solution for secure identity-related applications. The out-of-the-box, standards-compliant cards offer support for existing physical access control and strong authentication applications.

C1100 Series

Open and standard-based smart card for Identity Assurance Solution.

Overview

Crescendo C1100 Series Smart Cards
The Crescendo® C1100 is a credit card-sized smart card for strong authentication and physical access control. It provides a multi-application and multi-technology platform designed to address a variety of enterprise and government deployments requiring a generic, converged smart card.

Offering out-of-the-box, standards-compliant support for network and computer access (login to workstations and laptops or web-based applications requiring cryptographically protected operation), the C1100 is a cost-effective solution that also eliminates the need for the cardholder to carry multiple credentials or remember multiple passwords and PINs.

The C1100 can also be used as an employee ID badge as well as for access control to buildings. The cards are available in a variety of RFID interfaces to accommodate the majority of physical access control requirements, ensuring maximum interoperability with existing and future deployments.

The smart card is ideal for organizations seeking a white card to use with ActivID® card management system (CMS) or by any third- party CMS. ActivID CMS provisions the cards with an electrical profile interoperable with a variety of applications such as Personal Identification Verification (PIV) and Commercial Identity Verification (CIV), Microsoft-based applications as well as ActivClient®, naviGO® and 4TRESS®.

The Crescendo C1100 is interoperable with the HID Global's open and portable ActivIdentity® Applet Framework for Javacard-based devices. This framework delivers standard-based services for password protection, digital identity credentials for signature and encryption, cryptographic functions based on symmetric and asymmetric keys, personal information and network access.

Benefits:

Generic card platform for Digital Identity assurance with support for a variety of logical and physical access applications
Supports for HID Global's Security Identity Object™ (SIO) data model and strengthened security
Standard-based solution: Implementation according to JavaCard and Global platform specifications
Contact-only and hybrid card configuration for ISO/IEC 7816 protocol support as well as proximity (125 KHz) and/or ISO/IEC 14443/15693 (respectively MIFARE®/ iCLASS®). cards are available with multiple technology combinations that include iCLASS, Proximity (HID and Indala), MIFARE Classic, MIFARE DESFire® EV1 and combinations thereof. Other RFID combinations based on other technologies can be supported on demand.

Large available memory for credentials storage: PKI Digital Certificates and keys, Single Sign-On (SSO), passwords for Disk Authentication and Boot Disk Encryption, one time password using HID Global's patented solution.
High performance smart card leveraging the latest generation of smart card chips

available on the market

Low power consumption chip (appropriate for smart card portable devices)

High security chip (accredited to Common Criteria EAL5+. The JavaCard Operating System also integrates security countermeasures (protection against attacks).

Available with a large range of options for customizations (magnetic stripe, custom artworks, counterfeiting features, full set of programming format for RFID including ELITE)

Specifications
Crescendo C1100 Highlights:

Flexible card for support of PIV and non-PIV applications

Meet ISO/IEC 7810 ID-1 format for the card's physical characteristics

Tested against ISO/IEC 10373-1 and ANSI 322 (card durability tests)

ISO/IEC 7816 compliant with part 1- and 2-

RoHS compliant

Composite PVC/PET card body for increased durability

Non Volatile memory (EEPROM): 80 K-Bytes

Memory Endurance & Retention: 500,000 write cycles, 20 years minimum

Integrated cryptographic co-processor for high-output symmetric and asymmetric calculations (with support for Triple DES, RSA, AES and Elliptic Curve (ECC)

Usable with direct image and thermal transfer smart card printers

Available by default with the following RFID options:

iCLASS 32k

iCLASS 32k + Prox

MIFARE Classic 4 KB

MIFARE Classic 4 KB + prox

DESFire EV1 8KB

DESFire EV1 8KB + prox

iCLASS 32k + MIFARE Classic 4 KB

iCLASS 32k + MIFARE Classic 4 KB + prox

iCLASS 32k + DESFire EV1 8K

iCLASS 32k + DESFire EV1 8K + prox

MIFARE Classic 4KB + DESFire EV1 8KB

Other combinations can be made available