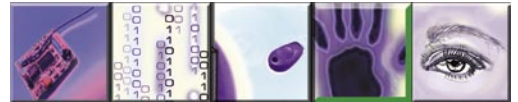




hardware



CRESCENDO™

- **Reduces** card management costs and increases user convenience by combining logical and physical access control in a single card.
- **Provides** out-of-the-box, standards-compliant support for thousands of logical access applications provided by Microsoft® and others.
- **Is** supplied pre-initialized with the required on-card software and includes all required drivers and middleware.
- **Requires** no per-seat middleware licenses, reducing overall costs.
- **Uses** a powerful contact smart chip with cryptographic co-processor coupled with HID's industry standard proximity or iCLASS® technology.
- **Is** available off-the-shelf, reducing lead times and cost.

Crescendo is a series of highly secure, off-the-shelf smart cards designed to provide out-of-the-box, standards-compliant support for thousands of logical access applications.

Crescendo supports security applications from other vendors including:

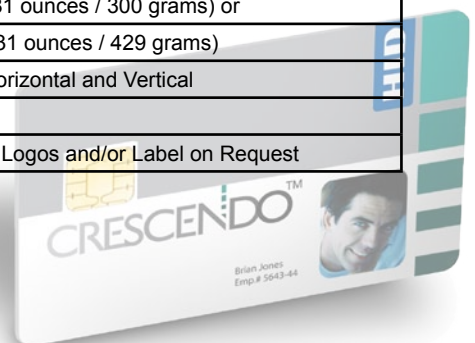
- **Single** sign-on
- **Pre-boot** authentication
- **Disk** encryption
- **Digital** signatures



- Optimized for use with **Crescendo** series smart cards.
- Sets a market performance standard by supporting reader-to-card data transmission rates of up to 420 KBits per second.
- Supports standard CCID1 driver for easy installation (plug and play).
- Specially designed robust housing for horizontal or vertical placement, adhesion to a PC monitor or desk, etc.
- Offers a long life (100,000 insertions) backed by a two-year warranty.
- Choose the card for your business with the C200 series for Microsoft® or the C700 series for Microsoft® / other leading software companies or open source architecture.

Host Interface
USB 2.0 (also compliant with USB 1.1)
CCID1
Power Supply: Bus Powered
Smart Card Interface
Compliant with ISO 7816
Card Size: ID-1 (Full Size)
High Performance Smart Card Interface (up to 420 Kbps)
Smart Card Clock Frequency (up to 8 MHz)
Supplies 60 mA Current to Power the Smart Card
Smart Card Movement Detection with Auto Power-Off
Short Circuit and Thermal Protection
Compliance
Microsoft® WHQL2 Certified
ISO 7816
USB 2.0 (also compliant with USB 1.1)
API
PC/SC Driver
PC/SC Driver Support
Windows Vista™ / XP
Windows® 2000
Windows® ME / 98
Windows® CE 3.0 / CE.NET (depending on hardware)
Windows® NT 4.0
Linux®
Mac® OS X

Hardware Specifications
Color: Two-Tone Gray (Standard)
Dimensions: 3.15" x 2.64" x 1.1" (80 mm x 67 mm x 28 mm)
Weight (Includes Standard Base): 6.6 ounces (187grams)
Operating Temperature: 32° – 131° F (10° – 55° C)
Operating Humidity: 10%-90% rH
Composition: ABS
Connector Cable: 70.9" (180 cm)
Durability: 100,000 Insertions
Meantime Between Failure (MTBF): 500,000 Hours
Other Features
Status Indicator: Dual Color LED
Light Vertical Base and Attachment Pad for Mounting the reader (i.e. on the monitor)
Safety and Environmental Standards
CE
FCC
UL
Options:
Heavy Base (10.581 ounces / 300 grams) or
Jumbo Base (15.131 ounces / 429 grams)
Supporting Both Horizontal and Vertical
Card Insertion
Customer-Specific Logos and/or Label on Request



For all details see www.crescendo.org.za

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hardware/brochure 34.1