Desktop USB Proximity Card Encoder

Featuring 13.56MHz and 125kHz contactless technology, the desktop card encoder enables integrators and end users to encode MIFARE, MIFARE DESFire and low frequency proximity cards and tags on demand.

The encoder's compact design, USB-A connector and broad compatibility make it simple to plug and play on almost any computer.

Feature Highlights

- Supports all standard MIFARE and MIFARE DESFire formats
- Supports 125kHz encoding for legacy and transitional sites
- Compact design
- Plug-and-play setup process over USB-A
- High-speed data transfer rates

Custom Card Encoding

Combined with the ICT Encoder Client software, the desktop encoder enables you to encode custom cards and tags for your site on demand - no more waiting for pre-encoded credentials to ship from the supplier. Contact your ICT representative for more information about custom card encoding.

Desktop encoders are also a convenient accessory for Protege offline wireless locks, which use a data-on-card system to make access decisions. When you program a new user's access data into Protege GX you can immediately encode it onto their access card with the desktop encoder, enabling them to start using the card as soon as it is in their hands.

Convenient and Compatible

With its compact design, the desktop encoder won't clutter your valuable drawer and desk space. Installers moving between sites can easily throw the encoder in their laptop bag so that it's always on hand when they need it.

The encoder provides plug-and-play drivers that are compatible with most operating systems, making it quick to set up and start encoding cards on almost any device.

Fast and Accurate

A card data transfer rate of up to 848 kbps ensures the shortest possible transmission time for end user convenience.

Technical Specifications

The following specifications are important and vital to the correct operation of this product. Failure to adhere to the specifications will result in any warranty or guarantee that was provided becoming null and void.

Ordering Information	
PRX-ENC-DT	ICT USB Desktop Proximity Card Encoder
Card/Tag Encoding	
Supported Card Technologies	MIFARE (Classic, DESFire EV1/EV2/EV3, Ultralight/Ultralight C, Plus) 125kHz (FSK, ASK, PSK)
Data Transfer Rate	106, 212, 424 or 848 kbps (depending on card IC)
Status Indicator	Red/Green LED
Computer Connection	
Drivers	PC/SC specification version 2.01.14 for: > Windows 7/8/8.1/10 (32 and 64 Bit) (WHQL certified) > Windows Server 2008/2012/2016 > MacOS 10.5.x - 10.15.x > Linux 2.4.x, 2.6.x, 3.x, 4.x, 5.x (32 and 64 bit) > Android 4.0 and higher
Connector	1.5m USB-A Connector
USB Specifications	USB 2.0 Full Speed with CCID Protocol
Power Supply	
Power Supply	Bus-powered USB
Power Consumption	50mA (excluding card)
Dimensions	
Dimensions (L x W x H)	91 x 75 x 12mm (3.6 x 3.0 x 0.47")
Weight	44g (1.5oz)
Operating Conditions	
Operating Temperature	0˚ to 50˚C (32˚ to 122˚F)
Storage Temperature	-25˚ to 85˚C (-4˚ to 140˚F)
Humidity	0%-95% non-condensing, indoor use only (relative humidity)
Mean Time Between Failures (MTBF)	Up to 10 million hours

Regulatory Notices

The desktop encoder complies with the following standards:

> **EU**: CE, RoHS2, REACH, WEEE
> **US**: FCC, UL 94, UL 60950
> Microsoft WHQL

Designers & manufacturers of integrated electronic access control, security and automation products.
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www.ict.co

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