ENCODERS

Contactless Encoding Made Easy

D24 In-Line

Proximity Encoders
Field Upgrade Kits

Higher RF Security Does Not Have to Come at a High Cost

Adding RF Security:

- You have INVESTED a significant dollar amount into a card printing system and now you want to add proximity encoding for ACCESS CONTROL or TRACKING
- How do you get the benefit of RF security without sinking MORE MONEY into a whole new system?

The Solution:

- DigiOn24 has made it EASY and COST-EFFECTIVE to add RF security to existing card issuance systems
- With the D24 In-line encoders, any card printer or label printing device can become a proximity card encoder and reader
- This easy-to-install FIELD UPGRADEABLE system, saves you money while putting RF security at your fingertips
- And because the encoders are customized to the printing device, there is sure to be a solution for you
- Get the security of RF without additional cost or hassle

Ideal for:

- Business Security
- Government Agencies
- Secure Testing Facilities
- Universities
- Government Buildings
- Access Control
- Armed Forces

DigiOn24

Security • Government Agencies • Medical facilities • Universities • Forensic Labs • Experimental Labs • Armed Forces

Don't Compromise Your Security!

D24 FEATURES

Industry Advantages
- Low-cost
- Fast encoding speed
- Field-upgradeable kits available
- Plug-n-play with most software and popular printing systems

Multi RF Technology
- Integrated RF support, simultaneously support 125Khz & 13.56Mhz antennas
- Small packaging and a wide input voltage range enables for easy integration
- Ideal for printer resident in-line encoding, removes 2-step process of printing and encoding separately

USB option
- Custom configurable USB port (Programmable PID/VID, Serial number, MFG name, Product name)
- Virtual Com Port (VCP) driver available for 100% compatibility with existing software
- Can be connected to USB hub for network card encoding application
- Easy driver installation for Windows 98, 2000, XP, Vista OS

✔ RoHS

Industry Supported

Printers Supported	Software Compatibility	RF Smart Cards
Evolis	AsureID™	HID Prox®
DIS	BadgeBuilder®	HID iCLASS®
DNP	BadgeMaker®	Mifare® Lite
Fargo®	BranchCard®	Mifare® Classic®
Magicard	CardExchange®	DESFire®
Nisca	CardFive Elite®	
VDS	Lenel OnGuard®	
Zebra®	Netaccess®	
	CardFocus	

D24 SPECIFICATIONS

D24 Controller Specifications
- HID Prox (125 Khz) card formats
  - Decode 26bit open format cards
  - Decode & pass through binary data pass through
- Mifare®, DESFire® 13.56 Mhz, ISO 14443 Type A
  - Read/Write Mifare Lite
  - Read/Write Mifare Classic 1K, 4K cards
  - Read/Write DESFire cards
- iCLASS®, 13.56 Mhz, ISO 15693
  - 2K, 16K, 32K iCLASS credentials
  - RF encryption, 64 bit keys authentication
  - Optional DES, 3DES encryption
  - Wiegand data transmit iCLASS credentials for access control applications
- Communication I/F
  - RS232, DB9 (selectable 9600, 19200, 38400)
  - USB option with (VCP) virtual com port driver
- DLL (encoderdrv.dll)
  - Software switching HID Prox®, iCLASS®, Mifare®, DESFire® through a single interface
  - DES encryption
  - Windows 98, 2000, XP, or Vista
- Dimensions
  - Controller size 2" x 2.5" (51mm x 63.5mm)
  - Antenna size 3" x 1.4" (76mm x 37mm)

D24 OPERATING SPECIFICATIONS

Temperature: -35C – 65C
Humidity: 5% -95% RH
Input Voltage: 9 to 24 VDC (self regulating)
Input Current: 100 to 300 mA
Coupling Range: 0.5" to 2.0" (12mm to 50mm*)

* Coupling range depends on environment

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