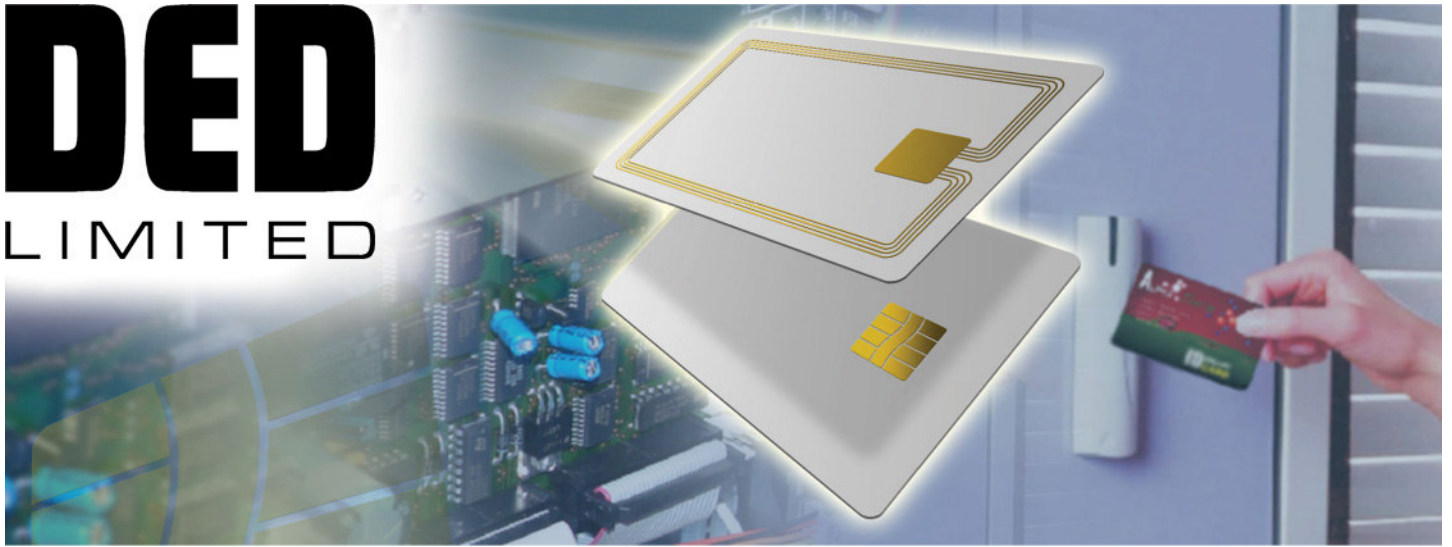


# DED LIMITED



## Smartcard Encoding Solutions



More and more applications are moving away from more traditional barcoded or magnetic stripe cards, and so with this in mind, DED has introduced a range of contact (Smart Card) and contactless (Proximity) encoding modules for the Zebra, CIM & NBS range of plastic card printers.

The kit allows a card to be passed through the printer and read/encoded and printed in one single, simple operation. Even combinations of two or more chip technologies in a single printer can be catered for.

Software integration is simple as both demonstration software and/or dll files are supplied with each kit. For even greater ease of use the Mifare & HID kits are supported by our CardFive Elite and Exchange software packages both manage the complete setup of the card, access (PIN) numbers, data positioning and encoding process making it incredibly simple to setup and use.



All kits are supplied with full fitting instructions making them simple to integrate into any existing printer. Data cable, demonstration software, dll files and programming codes are also supplied as part of the kit. Alternatively, DED can supply the printer with the kit already fitted.

The kits are suitable for use with the following printers:

Zebra P330i, P430i, NBS J310, J420.  
CIM K310, K420.



Kits are available to suit most standard card types.

However, if you have a specific request, please contact us to discuss your requirements:

Internal Smartcard Encoder Kit  
- Gemplus GCI410 (T=0, T=1).

Internal Smartcard Encoder Kit  
- Gemplus GCI410M (PCSC).

Internal Smartcard Encoder Kit  
- Orga Cream 130.

Internal Smartcard Encoder Kit  
- Towitoko.

Internal Proximity Card Encoder Kit  
- Mifare GCI680.

Internal Proximity Card Encoder Kit  
- I-Code OBID.

Internal Proximity Card Encoder Kit  
- Legic PHG/MIMIU-S.

Internal Proximity Card Encoder Kit  
- Hitag Feig ID RW01.

Internal Proximity Card Encoder Kit  
- HID iClass.

Internal Proximity Card Reader Kit  
- HID Prox.

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## Technical Specifications

|  | Card Type   | Printers Supported                                     | Software Supplied   | Software Supported                         | Kit Type   |
|--|-------------|--|---|--|--|
| Gemplus GCI-410 ISO7816 GPM2K & 8K (T=0, T=1)                      | Contact     | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | Demo Application & DLL files  | CardFive using external smart card plug-In | External (Connects to any E or EM model)           |
| Gemplus GCI-410 ISO7816 GPM2K & 8K (PCSC)                          | Contact     | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | Demo Application & DLL files  | CardFive using external smart card plug-In | External (Connects to any E or EM model)           |
| Orga Cream 130   | Contact     | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | DLL files   | CardFive using external smart card plug-In | External (Connects to any E or EM model)           |
| Towitoko   | Contact     | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | DLL files   | CardFive using external smart card plug-In | External (Connects to any E or EM model)           |
| Mifare 13.56 Mhz ISO14443 Type A                                   | Contactless | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | Demo Application & DLL files (Type A Read/Write)                        | CardFive Elite & CardExchange              | Internal (Mounted over magnetic encoder)           |
| HID Prox 125 KHz, Compatible with all formats.<br><b>READ ONLY</b> | Contactless | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | Demo Application & DLL files (26 Bit and Raw Data Pass Through Format ) | CardFive Elite & CardExchange              | Internal (Mounted over magnetic encoder)           |
| I-Code OBID 13.56 Mhz  | Contactless | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | DLL files   | CardFive using external smart card plug-In | Internal (Mounted in place of smart card contacts) |
| Legic PHG/ IMIU-S 13.56 Mhz  | Contactless | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | DLL files   | CardFive using external smart card plug-In | Internal (Mounted in place of smart card contacts) |
| Hitag Feig ID RW01 125 KHz.  | Contactless | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | DLL files   | CardFive using external smart card plug-In | Internal (Mounted in place of smart card contacts) |
| HID iClass 13.56 KHz.  | Contactless | Zebra, Javelin & CIM 310, 320,330,420,520 & 720 Series | Demo App + DLL files  | CardFive CardExchange                      | Internal (Mounted over magnetic encoder)           |

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