ISO/IEC 14443 OEM CONTACTLESS COUPLER FOR PRINTER

Pro-Active **K531-PRN** is an ISO/IEC 14443 contactless reader/writer with USB interface.

K531-PRN is easy to integrate into card printers from different manufacturers (including leading products from Zebra, Evolis, …).

K531-PRN makes it easy to build one-step contactless card personalisation machines.

K531-PRN reads and writes popular Philips MIFARE cards, as well as memory proximity tags from other manufacturers.

As a versatile T=CL reader, **K531-PRN** is also suitable for use with any ISO/IEC 14443 layer 4 smartcards, including Philips DESFIRE cards.

K531-PRN offers exactly the same features as CSB4 contactless desktop reader/writer, in a different form factor.
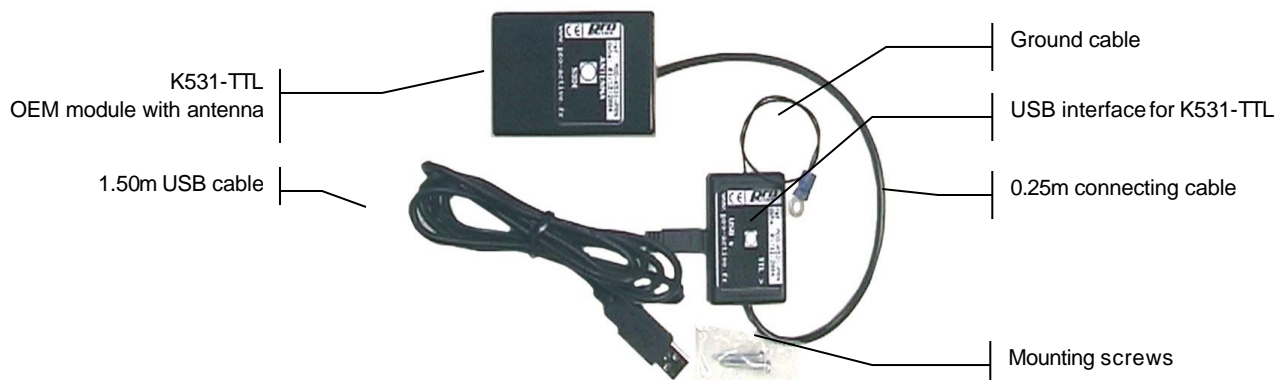
SPECIFICATIONS

ISO compliance	ISO/IEC 14443-A/B 1, 2, 3 & 4	**USB connection**	USB 1.1 – 38400 or 115200 bps communication Mini USB-B connector – Cable included
RFID operating frequency	13.56 MHz	**USB drivers**	Provided by FDTI for Windows 2000/XP Seen as a virtual serial port under Linux
Card operating distance	5cm typ., min 1cm, max 8cm *depending on card characteristics.*	**Provided software** *(Windows binaries)*	ISO/IEC 14443-3 poller MIFARE Classic read/write utility
PCD $\leftarrow\rightarrow$ PICC baudrate	106, 212 or 424 kbps		
Supported cards	Philips MIFARE Classic & UltraLight Philips DESFIRE Philips SmartMX, ProX Infineon SLE66 … STMicroelectronics ST19 …	**Power supply** **Consumption**	5 V DC provided by USB 120mA typical
		Temperature range	0°C $\rightarrow$ +45°C
	Other cards : contact us (Calypso[1], Jewel, SR176…)	**Dimensions L x W x H** *USB interface part* *Antenna part*	55 x 35 x 15 (mm) 70 x 50 x 25 (mm)

[1] Calypso card support is subject to extra license fees

CONTENT OF THE KIT

K531-TTL
OEM module with antenna

1.50m USB cable

Ground cable

USB interface for K531-TTL

0.25m connecting cable

Mounting screws

TECHNICAL DATASHEET