

MOD-K531-232 : ISO14443 OEM Reader Module with Antenna

pfte0101-ag.doc
12/07/2004
Version : AG

ABSTRACT

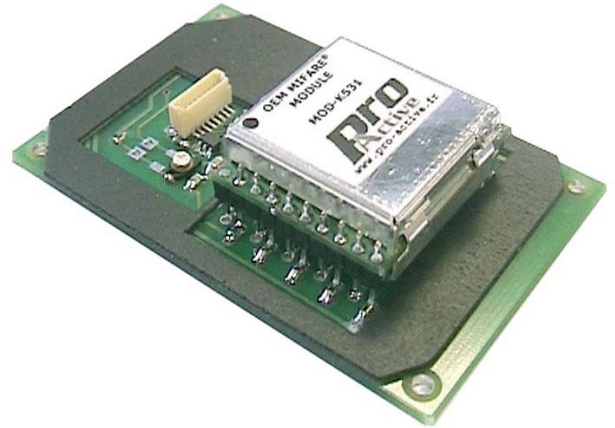
Pro-Active MOD-K531-232 is an ISO14443-A OEM Module equipped with an antenna :

- Read and write access to MIFARE® cards,
- Suitable for use with DESFIRE® cards as well as with other ISO 14443-A T=CL products,
- Philips MF RC531 chipset,
- RS232 Serial interface allows connecting to a PC as well as to a wide range of controller devices,

Same API as Pro-Active SpringProx and CSB products, available in ANSI C through a full-featured developers kit.

The antenna, featuring :

- a ferrite shield,
- a serial TTL (0/+5V) to RS interface,
- 2 LEDs drivers.



SAMPLE APPLICATIONS

- Ticketing, transportation,
- Tracking,
- Loyalty,
- Private money payment, road toll pricing,
- Physical access control

Upon request, a dedicated firmware may be developed and embedded into the MOD-531 for the highest performances in your specific application.

ORDER CODES

Pro-Active MOD-K531 OEM module with antenna :

- MOD-K531-232

Related starter kit :

- SRK-K531

Pro-Active MOD-K531 OEM module without antenna or Pro-Active MOD-K531 OEM module + square antenna with RS422 interface : see related datasheet

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DATASHEET



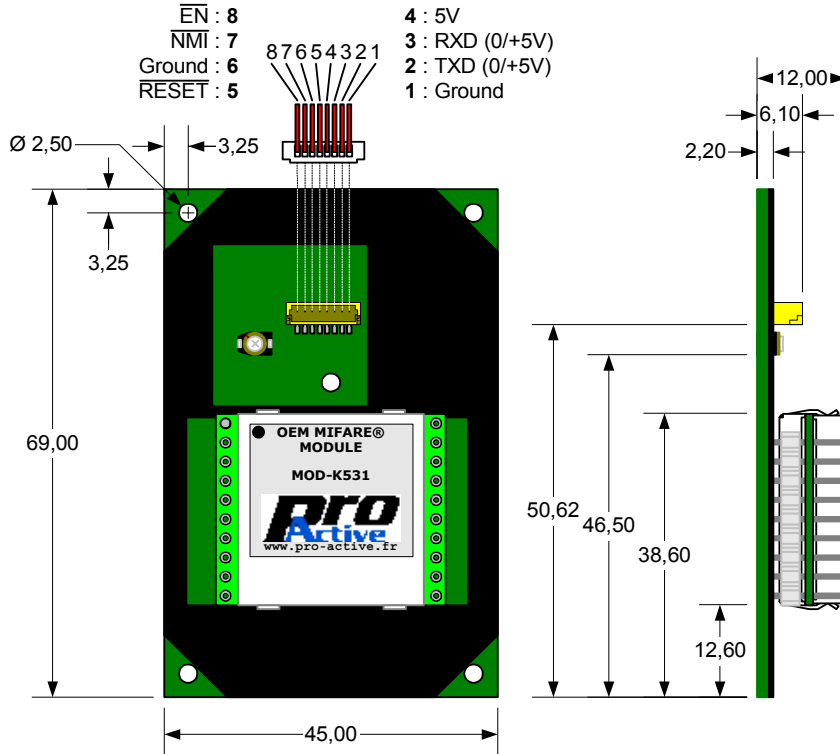
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S.A.R.L. capital of 100 000€
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VAT#. FR27 429 665 482 00015

DETAILED VIEWS



TECHNICAL DATA

Description..... ISO14443-A OEM Reader module with antenna.

Order code **MOD-K531-232**

Size 45 x 67 x 9,6 mm

Weight 30 g

Temperature range -20°C → +80°C

Power supply 5 VDC

Power consumption 90mA typ. (depending on antenna tuning and power mode)

Operating distance..... up to 60mm (depending both on the tag and on the antenna tuning)

Serial interface RX/TX, CMOS-TTL (0/+5V)
38400 bauds or 115200 bps
(8 bits, 1 stop, no parity, no flow control, other baudrates available on request)

TTL-CMOS I/Os .. Green & red LEDs (soft. controlled)
Bi-directional USER pin (soft. controlled)
Module enable / Module reset pins

Other I/Os RC531 both MFOUT & MFIN pins for specific hardware development

Supported tag MIFARE® Standard / UltraLight (native),
MIFARE® DESFire (soft. API),
ISO14443-A tags (soft. T=CL API),

Starter Kit Pro-Active SpringProx API (ANSI C)
(featuring the whole Philips MIFARE® / PEGODA® function set) available separately

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