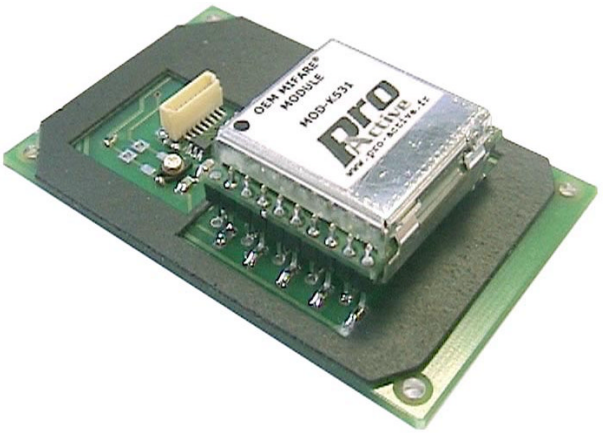
MOD-K531-485 :RS485 ISO14443 OEM Reader Module with Antenna

ABSTRACT

Pro-Active MOD-K531-485 is an ISO14443-A OEM Module equiped 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,
- Antenna with ferrite shield,

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



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-K531-485

Related starter kit :

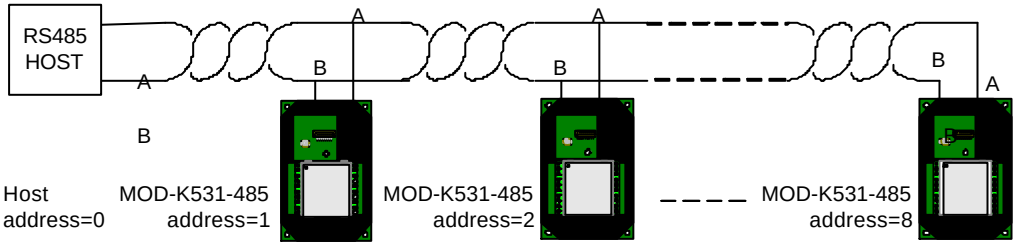
- SRK-K531

Point to point

(supported protocols : ASCII, modified OSI 3964, binary)

Multipoint

(binary protocol with addressing only)



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S.A.S capital of 150 000€
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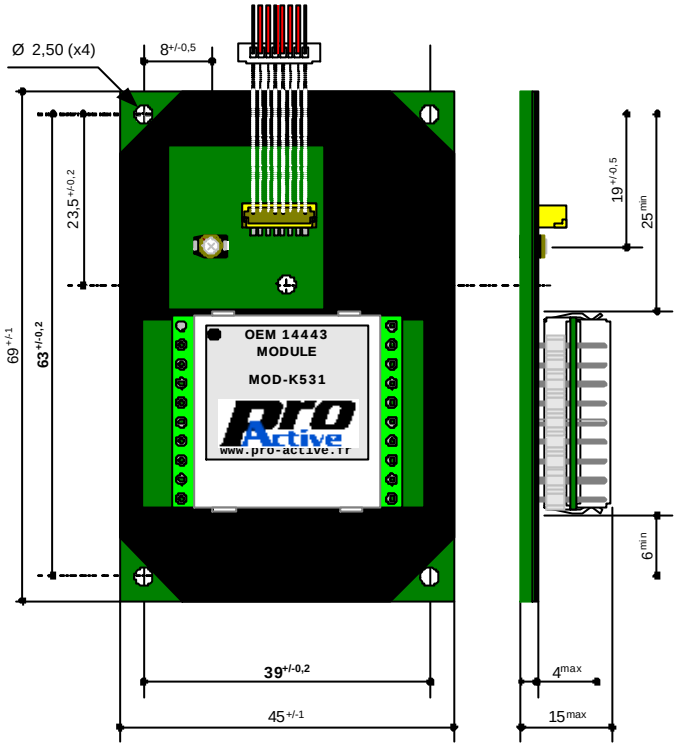
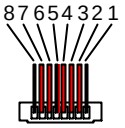
DETAILED VIEWS



Pinout

(fem. connector : JST SHR-08V-S-B)

Green LED : **8**	**4** : VCC (5V)
NMI : **7**	**3** : RS-485 B
Ground : **6**	**2** : RS-485 A
Red LED : **5**	**1** : Ground



TECHNICAL DATA

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

Order code **MOD-K531-485**

Size .....69 x 45 x 15 mm

Weight .....30 g

Temperature range.....-20°C → +80°C

Power supply.....5 VDC

Power consumption.....200mA typ. (depending on antenna tuning and power mode)

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

Differential interface RS485 (MAX485-ECSA/SN65167BD)

TTL-CMOS I/Os...Green & red LEDs (soft. Controlled, must be drived by transistor, active low)

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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