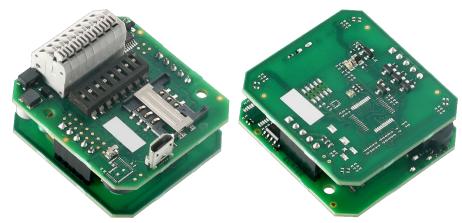


TWN4 Palon Compact LEGIC M Light

Multi-frequency RFID module (LF/HF) with NFC support



TWN4 Palon Compact LEGIC M Light (exemplary illustrations)

The RFID readers and modules of the TWN4 Palon Compact family support two RFID frequencies (125 kHz / 13.56 MHz), NFC and Bluetooth Low Energy (BLE). All devices are available with an NXP or LEGIC SM-4200 frontend and support a wide range of interfaces, for instance USB, RS-485 and, optionally, the OSDP protocol. A cost-optimized "light" variant with fewer interfaces and without BLE is also available. Although the readers are general-purpose devices, they are particularly appropriate for time attendance and access control. Depending on the intended application, the readers are available as modules for integration into a host device, as panel mount readers with IP65 protection or as in-wall readers with an IP54 protected housing.

Key features of the TWN4 Palon Compact LEGIC M Light reader module include an optimized form factor for easy integration into any host device, the possibility to use many different interfaces and a powerful SDK for writing apps that are executed directly on the module. Additionally, the module can read more than 60 RFID technologies from low (LF) and high frequency (HF) bands, including NFC. This gives the option to select as many of the technologies required instead of being forced to select just a few ones.

Special features:

- + Possibility to read more than 60 RFID technologies
- + Supports many interfaces, like USB and RS-485 (OSDP protocol optionally)
- + Two RFID frequencies (125 kHz/13.56 MHz) and NFC support in a compact form factor for easy integration
- + Powerful SDK for writing apps which are executed directly on the module
- + Firmware update in the field possible
- + On-board 18 kB flash storage, e.g. for storing user accessible non-volatile data
- + Supports transparent data exchange with RFID media
- + CCID and PC/SC 2.01

































TECHNICAL DATA

73 x 1.16 inch cion) for tolerances current < 8 A 250 mA @ 12 V typ.
eurrent < 8 A
eurrent < 8 A
current < 8 A
250 mA @ 12 V typ.
nsponder
)1
.2 to 0.5 mm² /
mination
aders and modules
elevant ELATEC
technology) for more
rted by the product.
IAC OS X ¹⁾
ut 5V: Wiegand
,400 baud
) tr

¹⁾On request

ACCESSORIES

CABLES	ELATEC RFID modules can be delivered with additional cables. Refer to the data sheet
CABLES	Cables for ELATEC devices for detailed information.

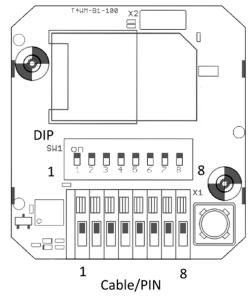
²⁾The product has been certified for use in many countries and regions. Contact your Sales representative for detailed information about all certifications and approvals granted to the product.



CONNECTOR ASSIGNMENT

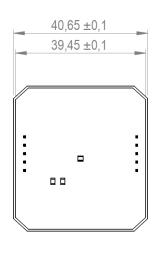
DIP	ASSIGNMENT
1	RS-485 address 0 LSB
2	RS-485 address 1
3	RS-485 address 2
4	RS-485 address 3 MSB
5	RS-485 BIAS on/off
6	RS-485 speed 0
7	RS-485 speed 1
8	RS-485 termination 120 Ohm on/off

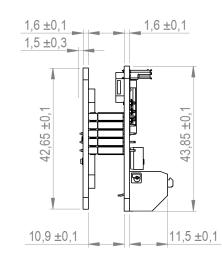
PIN	ASSIGNMENT
1	(unused)
2	(unused)
3	RS-485 A
4	RS-485 B
5	TTL Wiegand D0 or DATA
6	TTL Wiegand D1 or CLOCK
7	VIN 9 – 30 Volt
8	GND



Drawing / rear view PCB

Firmware may change the assignment of the DIP switch. Please refer to the TWN4 Palon manual. For Wiegand, Clock/Data the DIP switch is not used.





Drawing / front and side view PCB (All measures in mm)

ELATEC GmbH Zeppelinstr. 1 82178 Puchheim

Germany P +49 89 552 9961 0 F +49 89 552 9961 129

E-Mail: info-rfid@elatec.com Website: elatec.com

ELATEC Systems GmbH

Schwieberdinger Str. 44 71636 Ludwigsburg Germany P +49 7141 309736 0

E-Mail: info-rfid@elatec.com Website: elatec.com

ELATEC Inc.

1995 SW Martin Hwy Palm City • FL 34990 USA

P +1 772 210 2263 F +1 772 382 3749

E-Mail: americas-info@elatec.com Website: elatec.com

ELATEC Technology (Shenzhen) LLC

918, Main Building, Tian An Cyber Times Tower, No. 6, Tairan Fourth Road, Tian 'an Community, Shatou Neighborhood Futian District • Shenzhen • China P/F +86 755 2394 6014 E-Mail: apac-info@elatec.com Website: elatec.com

ELATEC reserves the right to change any information or data in this document without prior notice. ELATEC declines all responsibility for the use of this product with any other specification but the one mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification. Disclaimer: All names used in this document are registered trademarks of their respective owners.