TWN4 MultiTech 2 HF PCSC

Single-frequency PC/SC RFID reader (HF) with NFC support

TWN4 MultiTech 2 HF PCSC
(exemplary illustration)

The TWN4 MultiTech 2 family of contactless RFID readers and modules allows users to read and write to almost any LF and HF tags and labels. All products support NFC and, optionally, Bluetooth Low Energy (BLE). In addition, they are also compatible with the two most commonly used smartphone operating systems, Android and iOS, which gives the option to integrate them in mobile identification applications. The desktop readers are available as Plug & Play devices that can be easily customized (i.e. inlay design), whereas the PCB modules offer a large amount of interfaces and a perfect form factor for an easy and quick integration in any host device. This broad range of product features makes the TWN4 MultiTech 2 family an excellent solution for almost every project.

Key features of the TWN4 MultiTech 2 HF PCSC desktop reader include a powerful SDK for writing apps that are executed directly on the reader, the possibility to upgrade the firmware in the field, and transparent data exchange with the RFID media. Thanks to its PC/SC interface and CCID protocol, it is also the perfect reader for Single Sign-on applications. Additionally, the reader can read a lot of HF RFID technologies from the 13.56 MHz frequency band, 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 many HF RFID technologies
+ Plug & Play Single Sign-on device
+ Powerful SDK for writing apps which are executed directly on the reader
+ 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
+ Customizable inlay design

Elevator | EV Chargers | Access | Shop POS | Fitness Equipment | Ticket POS | PC Log-on | Document Management | Driver ID | Vending | Parking | Gaming | Locker Locks | Time Attendance | Industrial PC

TECHNICAL DATA

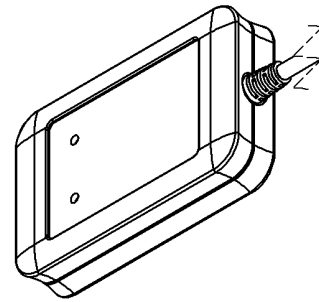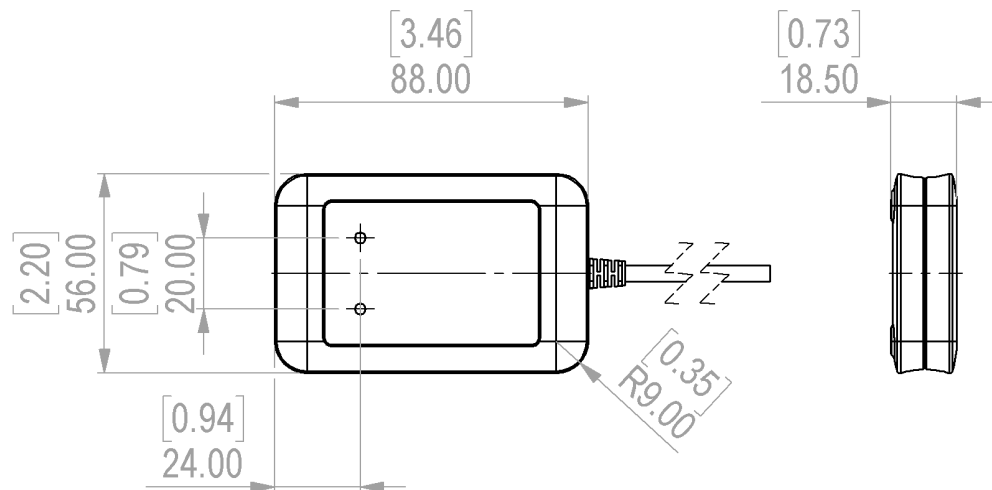|	
FREQUENCY	13.56 MHz (HF)
ANTENNA	Integrated
HOUSING	Material: ABS UL94-V0 Color: black or white
DIMENSIONS (L X W X H)	Approx. 88.00 x 56.00 x 18.50 mm / 3.46 x 2.20 x 0.73 inch
POWER	USB: 4.3 V - 5.5 V PS2 classified power source according to IEC 62368-1, short-circuit current < 8 A
CURRENT CONSUMPTION	RF field on: 200 mA typically
TEMPERATURE RANGE	Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) Storage: -40 °C up to +75 °C (-40 °F up to +167 °F)
RELATIVE HUMIDITY	5% to 95% non-condensing
READ/WRITE DISTANCE	Up to 100 mm / 4 inch, depending on environment and transponder
OPERATING MODES (USB)	CCID / PC/SC 2.01
MTBF	500,000 hours
WEIGHT	Approx. 115 g / 4.06 oz (with cable)
SUPPORTED OPTIONS AND TRANSPONDERS	Depending on the firmware version and installed options, ELATEC readers and modules can support a wide range of RFID technologies. Please refer to the relevant ELATEC transponder matrix (available at www.elatec-rfid.com/int/transponder-technology) for more information about the available options and RFID technologies supported by the product.
OS SUPPORT	Windows 7 (32-/64-bit) and higher versions, Linux, Android[1], iOS[1], MAC OS X[1]
PERIPHERAL INTERFACES	USB, 1 SAM slot for ID-000 card format
TRANSMISSION SPEED	Host: USB full speed (12 Mbit/s), HF Air: up to 848 kbit/s
CERTIFICATION NAME	TWN4 MultiTech 2 HF
CERTIFICATIONS	Non-exhaustive list[2]: CE/RED, FCC, IC, REACH and RoHS-III compliant
ORDER CODES	T4BT-FB2BEL2-LCCID Standard reader, USB cable, black housing T4BT-FB2WEL2-LCCID Standard reader, USB cable, white housing

[1]On request

[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.

ACCESSORIES

HOLDERS	HKSI-B	Snap-in holder, black
	HKSI-W	Snap-in holder, white
	HKBR-B	Bracket holder, black
	HKBR-W	Bracket holder, white

TECHNICAL DRAWINGS

[3.46]
88.00

[0.73]
18.50

2.20
56.00

[0.79]
20.00

[0.94]
24.00

[0.35]
R9.00

All measures in mm [inch]

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