TWN4

MultiTech OEM PCBs

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Elatec GmbH

Contents

1 Introduction

An OEM PCB combines all components including antennas and core module, which are required to build a full functional device. An OEM PCB consists of a carrier board, where all other parts are placed. Only cable and power supply is required to bring device into operation.

There are various OEM PCBs available:

- TWN4 MultiTech OEM PCB (Desktop, former TWN4 MIFARE NFC OEM PCB)

- TWN4 MultiTech LEGIC 42 OEM Board (Desktop, former TWN4 LEGIC NFC OEM PCB)

- TWN4 MultiTech LEGIC 45 OEM Board

- TWN4 MultiTech SmartCard OEM PCB

- TWN4 MultiTech SmartCard LEGIC 42 OEM PCB

- TWN4 MultiTech Panel OEM Board (Panel, former TWN4 MIFARE NFC OEM PCB)

- TWN4 MultiTech Panel LEGIC 42 OEM Board (Panel, former TWN4 LEGIC NFC OEM PCB)

2 TWN4 MultiTech OEM PCB
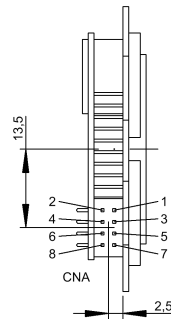
Here is a picture of a TWN4 MultiTech OEM PCB:

The block diagram looks as follows:
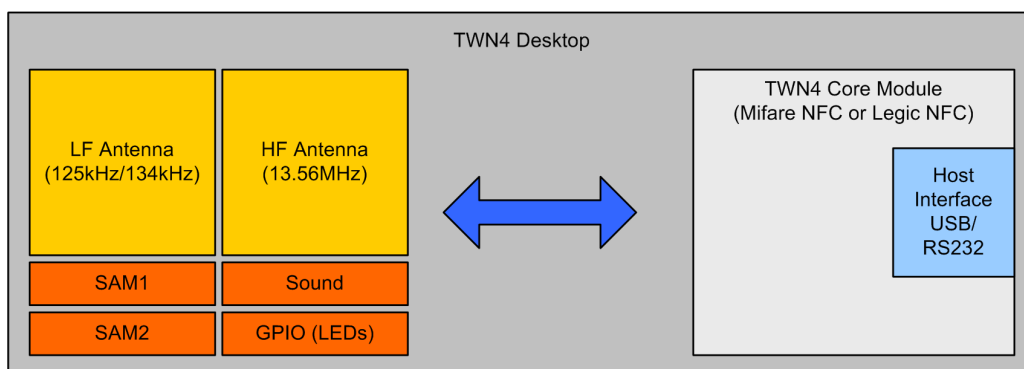
2.1 Dimensions & Pinout

The dimensions and pinout of TWN4 MultiTech OEM PCB as follows.:

Connector CNA*	
Pin	Signal
1	USB/Supply Ground (black Wire)
2	USB Data+ (green Wire)
3	USB/Supply 5V (red Wire)
4	USB Data- (white Wire)
5	RX232 RxD (Input)
6	J2-1**
7	RX232 TxD (Output)
8	J2-2**

* Hirose DF11 series, 2mm pitch

** RS232 operation is achieved by either closing jumper J2 on the PCB or by connecting pin 6 and pin 8 of CNA.

Connector CN1	
Pin	Signal
1	Supply Ground
2	5V Supply
3	Logic Input RxD (active low)
4	Logic Output TxD (active low)
5	GPIO2
6	GPIO3

Connector CN2	
Pin	Signal
1	Supply Ground
2	3.3V Supply
3	SCL (I²C)
4	SDA (I²C)
5	RESET (active low)
6	POWERDOWN (active low)

Bottom View

Top View

All measures in mm
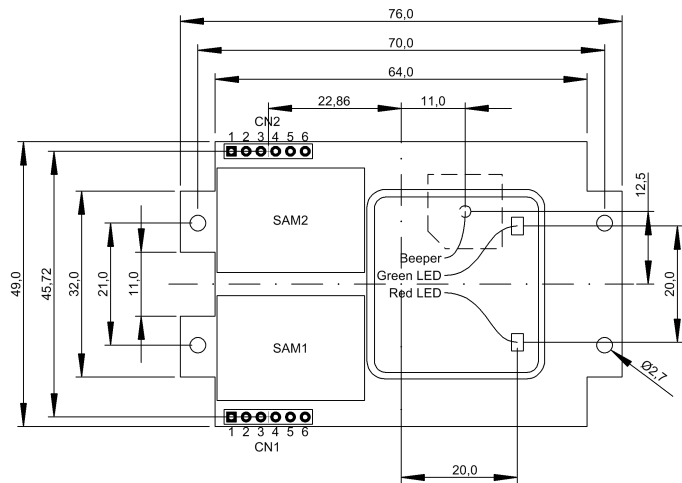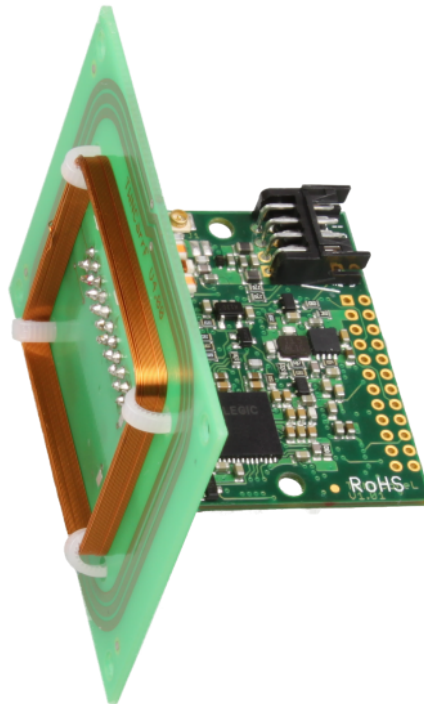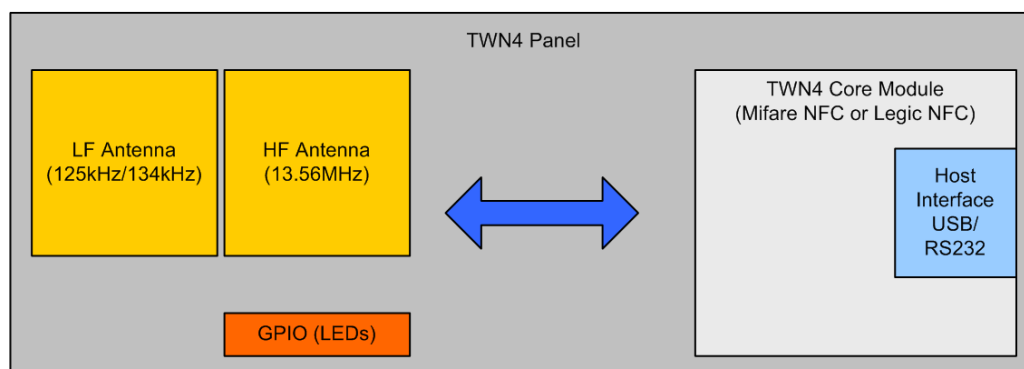
Left View
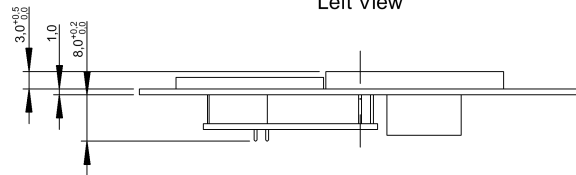
3 TWN4 MultiTech Panel OEM PCB

Here is a picture of TWN4 MultiTech Panel OEM PCB:

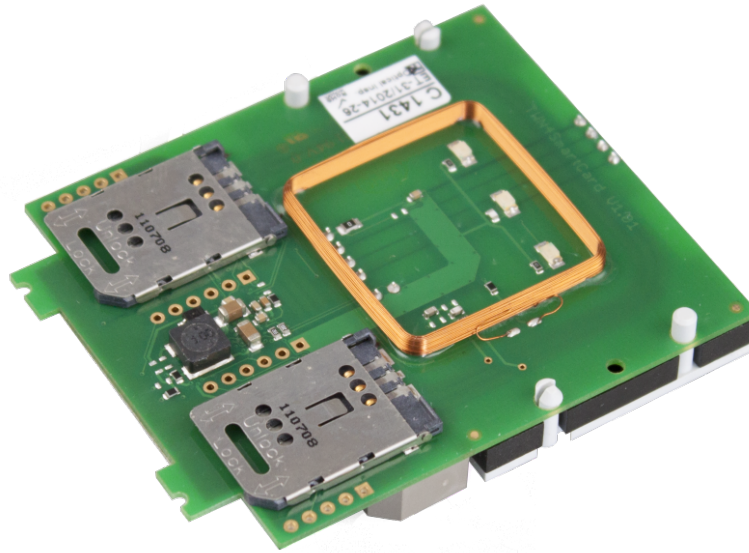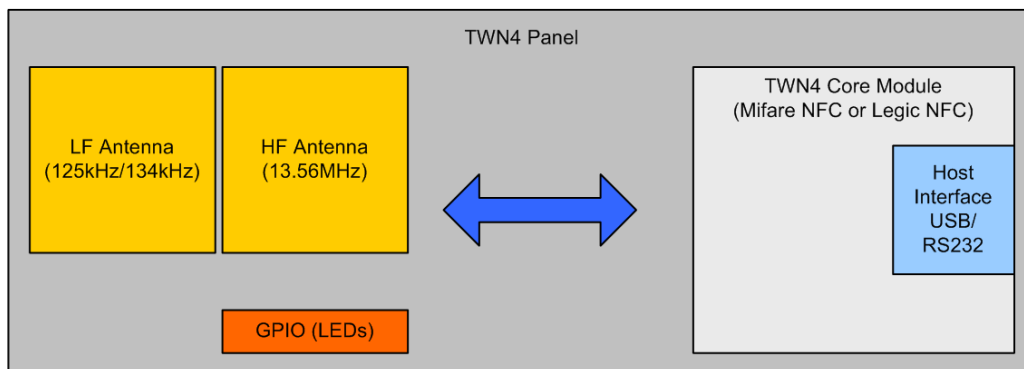

The block diagram looks as follows:

4 TWN4 MultiTech SmartCard OEM PCB

Here is a picture of TWN4 MultiTech SmartCard OEM PCB:

The block diagram looks as follows:

5 Disclaimer

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