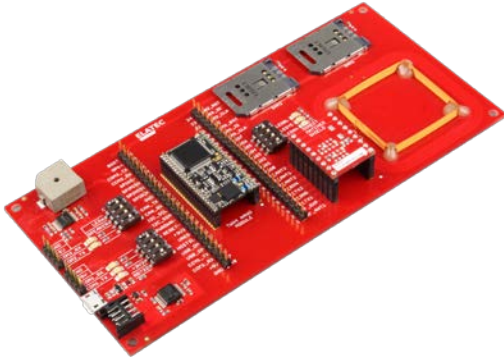


DEVELOPMENT KIT

TWN4 MULTITECH NANO/NANO LEGIC 42



Development Board for TWN4 MultiTech Nano



I/O Extender for Development Board

The TWN4 MultiTech Nano is a device for reading and writing RFID transponders. It can communicate with a large number of transponder types in the frequency ranges of 125 kHz, 134.2 kHz and 13.56 MHz.

The TWN4 MultiTech Nano module Development Board provides ready-to-use interfaces (USB and UART) and peripherals (Low-/High-frequency antennas, SAM Card slots) needed to test the core functionalities of the Nano module. In addition, an I/O Extender is offered with a circuitry allowing interaction with CAN, RS-422/485 and Wiegand interfaces. Furthermore a LCD graphic display (over SPI interface) is contained for applications requiring greater degree of user-interaction as well as for debug purposes.

The I/O Extender also offers a generic Clock/Data port, driven through the GPIO of the TWN4 MultiTech Nano Module. This generic port can be used to send/receive data in OMRON, Wiegand and other custom formats.

Package Contents:

- Development Board
- TWN4 MultiTech Nano C1 or TWN4 MultiTech Nano LEGIC 42 C1
- Micro USB cable
- Lever for TWN4 MultiTech Nano/Nano LEGIC 42
- 2 x sample tags 125 kHz
- 2 x sample tags 13.56 MHz

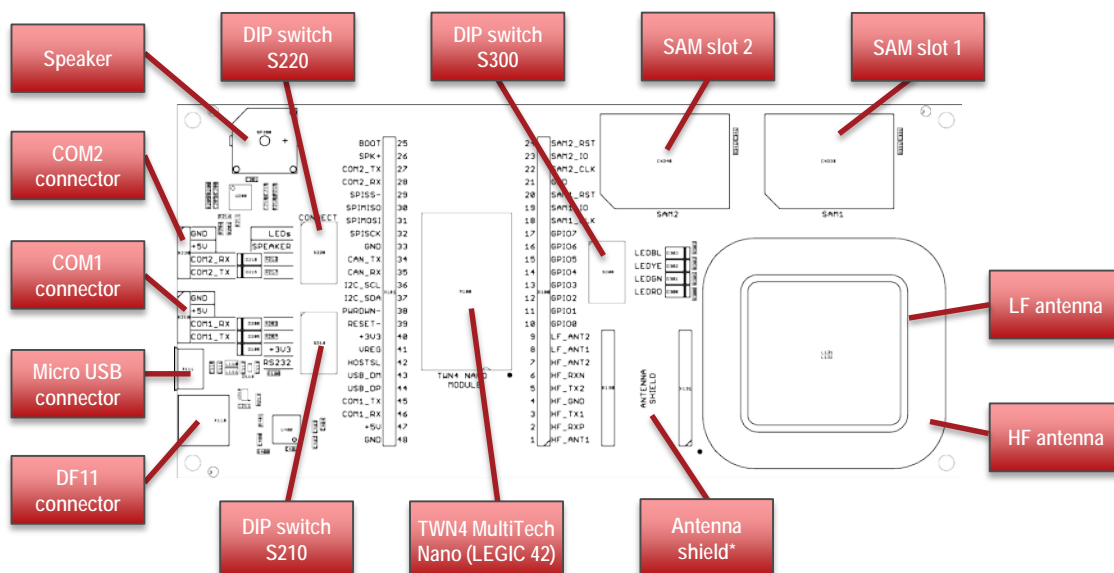
Optional accessory:

- I/O Extender

1. Overview

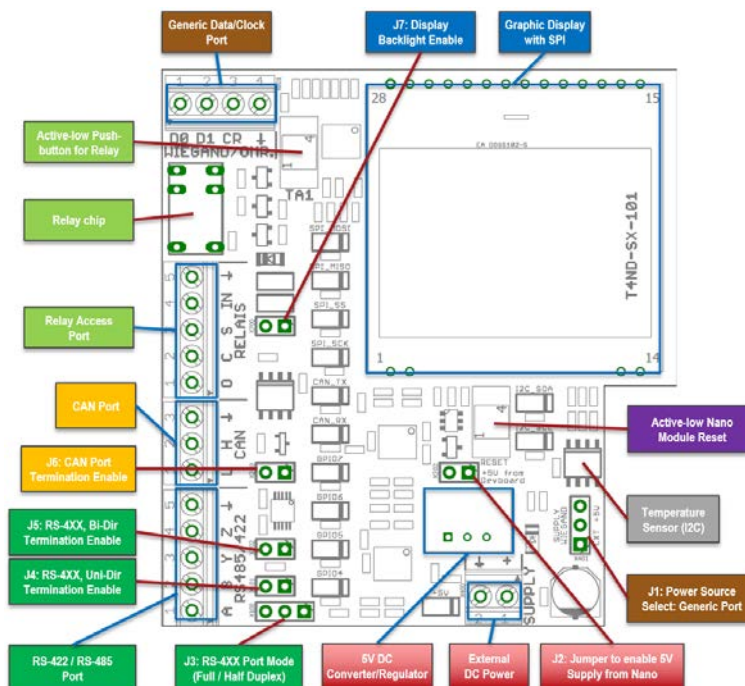
1.1 Development board

Dimensions of the development board: 154.94 mm x 73.66 mm [6.1 inch x 2.9 inch]



*Dimensions of the antenna shield: 22.86 mm x 17.78 mm [0.9 inch x 0.7 inch]

1.2 I/O Extender



2. Order codes

T4NK-F-PI	Development Kit TWN4 MultiTech-PI Nano (USB cable, transponders: MIFARE, 125 kHz read only)
T4NM-FDC0	TWN4 MultiTech Nano C0; Direct matched
T4NM-FDC0-P	TWN4 MultiTech-P Nano C0; Direct matched
T4NM-FDC0-PI	TWN4 MultiTech-PI Nano C0; Direct matched
T4NM-FDC1	TWN4 MultiTech Nano C1; Direct matched
T4NM-FDC1-P	TWN4 MultiTech-P Nano C1; Direct matched
T4NM-FDC1-PI	TWN4 MultiTech-PI Nano C1; Direct matched
T4NK-B-P	Development Kit TWN4 MultiTech-P Nano LEGIC 42 (USB cable, transponders: MIFARE, 125 kHz read only)
T4NM-B5C0	TWN4 MultiTech Nano LEGIC 42 C0; 50 Ohm
T4NM-B5C0-P	TWN4 MultiTech-P Nano LEGIC 42 C0; 50 Ohm
T4NM-B5C1	TWN4 MultiTech Nano LEGIC 42 C1; 50 Ohm
T4NM-B5C1-P	TWN4 MultiTech-P Nano LEGIC 42 C1; 50 Ohm
T4ND-SX	I/O Extender

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