

I/O-BOX BOLERO

I/O extension box for FALCOM BOLERO Quad

2.4 GHz ISM band IEEE 802.15.4 transceiver

Internal rechargeable Li-Ion battery

16-pin MOLEX connector

Free programmable

5 digital inputs

4 digital outputs

2 analog inputs



The FALCOM I/O-BOX

The I/O-BOX is a short range, low power, 2.4 GHz ISM band transceiver which contains a complete 802.15.4 physical layer device designed for the IEEE 802.15.4 wireless standard networking. The I/O-BOX is a full functional, low-cost and high-performance device that can easily be added to a BOLERO-QUAD architecture to expand its field of security. It features 5 digital and 2 analog inputs and 4 outputs all free programmable. A rechargeable Lithium-Ion battery provides power when the

operating voltage fails. The I/O-Box makes possible direct wiring of the inputs and outputs via a 16-pin MOLEX connector. The inputs and outputs of the I/O-Box can be controlled by the BOLERO-QUAD operating software and accessed via IEEE 802.15.4 wireless network protocol.

To help quickly evaluate the I/O -BOX on a ready-made platform, this product together with its EVAL-BOARD is also included in the BOLERO-QUAD-EVALKIT.

Technical specification

Interfaces

IEEE 802.15.4 , range: 100 m

16-pin MOLEX connector (standard)

Output: max. 100 mA @ 10,8 - 32 V

Physical characteristics

Dimensions (LxWxH): 85 x 62 x 24 mm

Weight: 90 g

Electrical characteristics

Rechargeable Li-Polymer battery 1100 mAh

Power: +10,8 V to + 32 V DC

Operating temperature: extended

