



## **ADO Gateway**

## **General characteristics:**

Frequency 1: 2.4GHz (Nordic Semi nRF2401)

Transmitter output power: 0dBm Receiver sensitivity: -90dBm Data transfer rate: 250kbps

Bandwidth: 1MHz Modulation: GFSK

Frequency deviation: ± 156KHz Antenna: external monopole 2.2dBi Range: about 80 m in open space

Frequency 2: 868Mhz (Analog Devices ADF7021)

Transmitter output power: 13dBm

Data transfer rate: 9.6kbps

Bandwidth: 25kHz

Frequency deviation: ± 4kHz

Modulation: 2FSK

Antenna: External monopole 2.2dBi Range: about 1000 m in open space

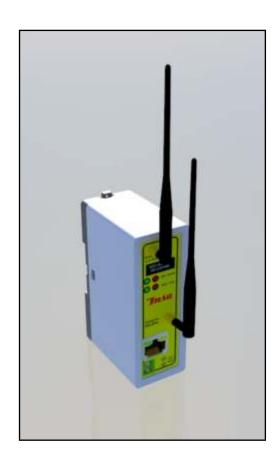
Power supply: 8-28V DC

Average consumption: about 60mA

Connection: RJ45 DIGI CONNECT ME network

connector (RS232, RS485 optional)

Installation: 35mm DIN rail or mounting on the wall



The ADO Gateway device is designed for automatic radio reading of wireless ADO devices. The device is permanently installed in a cabinet or on the wall within the range of ADO devices which are being read. Via classical UTP network cable (Class 5) ADO Gateway device is connected to ADO Terminal device which is configured to automatically perform the polling and reading of the devices. Also, using the ADO Gateway hub or router, it is possible to connect directly to a desktop computer from which manual or automatic data reading can be performed. ADO Gateway is made in two variants. One variant is designed to read devices operating on INSA RF 868 radio protocol (ADO868 Inductive, ADO RF24, ADO Xponder Pulse and ADO RF Valve) and the other is designed to read the device on a wmbus protocol (ADO868 wmbus).