



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: ± 156 KHz
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: ± 4 kHz
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).