



ADO Modem

Characteristics:

Bluetooth: OEM Parani ESD200, Class 2
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: Bent monopole on printed circuit board about -6dBi
Range: about 80 m in open space, about 10 m in a manhole.
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: app. 1000 m in open space
Power supply: Rechargeable LiION battery 3.7V, 1200mAh
Average consumption: about 60mA



ADO Modem is a device designed for wireless remote reading of ADO module on water meters. The Modem serves as a communication link between the radio modules on the water meters and the handheld terminal.

ADO Modem makes an indispensable part of the reading equipment and the collector must carry it along with the handheld terminal when reading the water meters. The distance between the ADO Modem and the handheld terminal during reading shall not exceed 10 m. The modem has IP65 protection.

Rechargeable 1200mAh Li ION battery ensures independent operation of the device for 10 hours with single charging.

Adding the vacuum stand for modem and magnetic antenna that sticks to the roof, ADO modem becomes part of the equipment for the reading from a car.

