

# ModemOS

2SIM GSM/UHF  
MODEM



professional solution

## Steady Stream ©



The Steady Stream technology allows your device to use both UHF and GSM connection at the same time.

- WebUI
- 2SIM 3G
- Automatic switching between SIM cards
- TCP/IP and NTRIP-client
- Built-in 2W UHF \*
- IP67



More info

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**ModemOS** is a 2SIM GSM/UHF \* modem with Steady Stream technology. Unlike most modems, automatically switching between SIM cards depends on the stability of receiving the correction stream. Parameters like signal/noise ratio and status of Internet connection don't influence on switching.

The built-in 2 W UHF modem\* allows you to use ModemOS as a common radio modem.

Intelligent selection of the most reliable correction stream between GSM1, GSM2 and UHF - ModemOS automatically switches the type of communication depending on the availability or absence of the UHF or GSM signals.

You can create the list of GNSS base stations with UHF transceivers with appropriate coordinates and UHF parameters. Thanks to the built-in GPS/GLONASS receiver, ModemOS automatically detects the nearest UHF translator and connects to it.

# TECHNICAL SPECIFICATIONS

## Communication

- 1 port DB15:
  - 1 RS232 baud rate up to 230400 bps
  - Power
  - Compatible with Satel interface/power cable
- UHF modem \*:
  - 410-470 MHz frequency range
  - 2 W
  - TRIMTALK, TRANSEOT, TRIMMK3
  - UHF antenna TNC (f)
- Wi-Fi (APN)
- 2SIM GSM modem:
  - 2G/3G: 900/2100 MHz
  - GSM1 antenna TNC (f)
  - GSM2 antenna TNC (f)
- Support TCP-IP and NTRIP-client
- 6 LED indicators show the working status

## Physical

- Size (L × W × H): 145 mm × 85 mm × 35 mm
- Weight: 400 g (500 g with UHF)
- Antenna Connector: 4 x TNC (f)

## Electrical

- Input voltage: +7.0 V ~ +20.0 VDC
- Power consumption: up to 3,5 W

## Environmental

- Operating temperature: from -40 ° C to + 75 ° C
- Storage temperature: from -40 ° C to + 80 ° C
- Waterproof and dustproof:
  - IP67 protection against short-term immersion to a depth of 1 m
- Shock resistance:
  - withstands falling onto concrete from a height of 1.5 m

