



- Navis NV08 satellite receiver with 32 channel GPS/GLONASS/SBAS+(GALILEO/COMPASS) tracking
- Telit GE865 Quad-band modem with 2 SIM card places and Cell ID tracking
- Customizable firmware (Python)
- 10 I/O ports for telemetry (analog/digital)
- 2-way Audio and SMS support
- RS-232 output for NMEA 0183 data
- Operating temperature from -40 to +85 °C
- Robust aluminum casing

Tokay is a multi-constellation tracking device compatible with all current and upcoming global navigation satellite systems. It has a quad-frequency GSM modem and support for two SIM cards for flexible cellular connectivity.

Navigation

- Channels: 32 (all-in-view)
- GPS: L1 (1575.42MHz)
- GLONASS: L1 (1597.5-1609.5 MHz)
- GALILEO: L1 (1575.42MHz)
- COMPASS: L1 (1575.42MHz)
- SBAS: L1 (1575.42MHz)
- MOBILE: Cell ID (mmc/mnc/lac)
- Reacquisition & Hot start: 1-3sec
- Cold & Warm start: <30sec
- Accuracy: 1.0-2.5m (Horizontal)
- Coordinate systems: WGS-84, PZ-90 SK-42, SK-95

Communication

- 2 SIM card places
- Quad-band 850/900/1800/1900Mhz
- GSM/GPRS 3GPP Release 4 compliant
- GPRS Multi-slot Class 10
- GPRS Mobile station Class B
- Transmission via GPRS and SMS
- Protocols: HTTP, TCP, IP, UDP, SMTP
- Configurable alarms and reports
- Update cycle: <30sec - 72h
- Output Power: Class 4 (2W) @ 850 / 900 MHz
Class 1 (1W) @ 1800 / 1900 MHz

Data

- Protocols: IEC1162 (NMEA 0813) RTCM SC 104 v2.2
- Message formats: GLL+GGA+RMC+TG+GSV+GSA.
- Additional sentences for telemetry, port and Cell-ID
- NMEA output rate: 1-60s
- Outputs: 4 Digital (300 mA) and 1 Analog
- Inputs: 3 Digital and 2 Analog
- RAM memory for data logging
- Flexible sensor compatibility

Firmware

- Customized Python interpreter
- Source code available for developers

Power

- Operation voltage: 12-30V DC
- Power consumption: ~2W
- Optional external battery

Environment

- Operating temperature: -40°C to +85°C
- Max operating humidity: 95% non condensing

Housing

- Robust aluminum casing (IP30)
- Size: 120 x 160 x 50 mm
- Weight: 500g

Interface

- Led indicators: GSM connection, SIM card, FIX and Transmission
- 2 x RS-232 connectors

In the box

- Power & I/O cables
- GNSS & GSM antennas
- Configuration software