

..Key Features:..

- ❖ L1 GNSS receiver (GPS + GLONASS + Galileo*) with raw data access
- ❖ Wireless data transfer via Bluetooth and mobile Internet
- ❖ Data storage on MicroSD-card
- ❖ Flexible configurations for multiple applications
- ❖ GNSS antenna options
- ❖ Compact, lightweight design with integrated battery

** Full Galileo support will be available in the following firmware versions*

..Application areas:..



- ❖ Natural hazard/displacement monitoring
- ❖ Pedestrian navigation & tracking

- ❖ Forestry & GIS data collection
- ❖ Geocaching
- ❖ Asset & fleet management
- ❖ Transportation
- ❖ Indoor positioning



..Alberding GmbH:..

For more than 20 years Alberding GmbH develops software and system solutions for professional GNSS applications. Starting with server-based solutions for GNSS infrastructure operators (i.e. DGNS/RTK services), landslide monitoring and vehicle tracking, Alberding GmbH has developed a mobile positioning and telemetry system.

The Alberding A07 integrates a L1 GNSS receiver with raw data access, wireless communication and processing power in one housing. Providing higher positioning accuracy by external processing of low-cost GNSS raw data is the basic idea behind the A07's development.

Due to the integration of wireless data transfer, GNSS data can be easily processed on a server (i.e. for sub-centimetre accurate monitoring), inside the unit (DGNS for navigation) or on a local computer (smartphone, tablet PC) with 3rd party real-time software (i.e. RTKLIB). Simultaneously, the data can be internally stored on the optional MicroSD-card.

... we improve your position ...

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Alberding

GmbH

A07-N-11



Low-cost positioning & telemetry system

- ❖ L1 GNSS multi-constellation receiver (GPS, GLONASS, Galileo, SBAS)
- ❖ Higher accuracy by GNSS raw data processing
- ❖ Integrated wireless communication
- ❖ Additional sensors for urban positioning
- ❖ Integrated battery and data storage

ALBERDING A07

Navigation (A07-NAV)

Personal navigation with sub-metre accuracy

- Ntrip Client for DGNS correction data
- Onboard DGNS processing with integrated filter algorithm
- Wireless DGNS position transfer (Bluetooth or mobile Internet)
- Support of additional sensors in urban environments



Monitoring (A07-MON)

GNSS-Monitoring with sub-centimetre accuracy

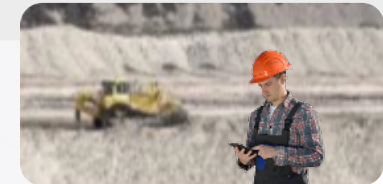
- L1 GNSS raw data management
- Real-time GNSS data streaming (Ntrip server)
- Internal raw data storage and file transfer to a server
- Timer for predefined observation intervals
- Upload of external sensor information



Positioning (A07-POS)

Real-time positioning and field data collection

- Wireless GNSS raw data transmission (Bluetooth or mobile Internet)
- Processing with 3rd party software in the field
- Direct GNSS data input in RTKLIB
- Provides more accurate GNSS data to your mobile device



Telemetry (A07-DAT)

Intelligent modem for machine guidance

- Use of telemetric functionality with external GNSS receivers
- Provides RTK corrections to external RTK receivers via serial port (i.e. Agriculture)
- Support of domestic data roaming (SIM2X - Germany and neighbouring countries)
- Upload of external sensor information



ONE system
... MULTIPLE applications ...