ppm

Precise Positioning Management

# 10xx
## GNSS SENSOR

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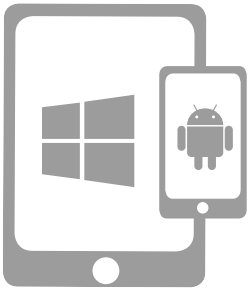

# ppm 10xx RTK
all-on-the pole
or
click-on-a-tablet

*Additional information about* ppm 10xx *in our product video.*


# THE PPM 10xx KIT

The ppm 10xx receiver can be used
as all-on-the-pole as well as click-on-a-tablet solution.

## Tablet Solution

### The GNSS L1/L2 Helix Antenna

ensures excellent reception even in harsh environments. The flexible gooseneck allows an optimized alignment of the GNSS antenna on a tablet.


## All-on-the-Pole Solution

### Optional antenna rod kit

consisting of a plug-in 2m carbon rod with internal antenna cable and a precise GNSS helix antenna (or alternatively a patch antenna) turns the ppm 10xx into a "classic" surveying system.

## ppm Commander Software

With the *ppm Commander* the receiver can be configured, a connection to a reference network (NTRIP) can be created and a transformation to local coordinates can be set.
The precise coordinates are provided to your application software.The software is available as a Windows version or as an Android version (Google Play Store).

## Tablet bracket

Two bracket models are available:

- a special holder for the *Samsung Galaxy Tab Active2*
- or a universal holder for tablets from 7 "-10" display size

## USB connectivity

A USB cable with optional USB-A, USB micro or USB-C connector provides the right connection to a tablet.

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| | |
|---|---|
| **GNSS systems** | |
| *Multi constellation and dual frequency receiver* | GPS |
| | GLONASS |
| | GALILEO |
| | BEIDOU |
| **Output rates** | up to 20Hz |
| **Connections** | |
| *USB port* | 1 × USB |
| *GNSS antenna port* | TNC female (5V - max. 50mA) |
| **Accuracy [1]** | |
| *GNSS only (m)* | 1,5 |
| *DGPS (m)* | 0,3 |
| *RTK Fixed (m)* | 0,01 + 1 ppm |
| **Specifications** | |
| *Voltage input (V DC)* | 5 or 9-36 optional |
| *Power consumption (Watt)* | <0,5 |
| *Operating temperature (°C)* | -20 to +70 |
| *Environmental* | IP54 (optional IP65) |
| *Size (mm)* | 125 × 30 × 55 |
| *Weight (g)* | 130 |

*1) Accuracy specification may be affected by atmospheric conditions, signal multipath, and satellite geometry. Position accuracy specifications are for horizontal positioning. Vertical error is typical <2 times horizontal error. Performance values assume minimum of five satellites, following the procedures recommended in the product manual. High multipath areas, high PDOP values and periods of severe atmospheri conditions may degrade performance.*

*Authorized Partner*



ppm – Precise Positioning Management GmbH · Grube 39A · D-82377 Penzberg · T: 00 49 / 88 56 - 80 30 980 · info@ppmgmbh.com · www.ppmgmbh.com