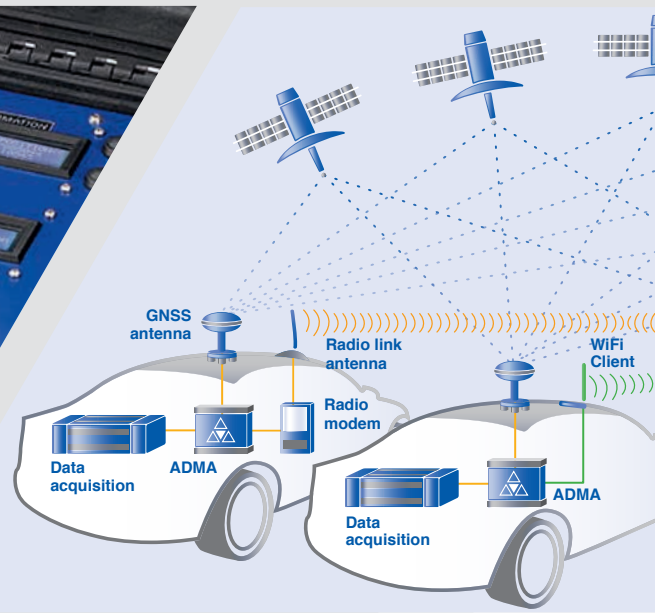


# GPS Outdoor Base Station

Local DGNSS correction data



## Private DGNSS correction data for RTK operation

The GPS Outdoor Base Station has been particularly developed for vehicle dynamics testing. It provides DGNSS correction data used by mobile GNSS receiver and enables highly precise measurements with position accuracy of up to 2 cm. The base station can be quickly installed on the proving ground. It is robust, weatherproof and easy to use.

## Technical Data

Satellite systems	GPS, optional GLONASS, Galileo or BeiDou
Correction data	CMR, RTCA, RTCM v3.1, RTCM v3.2
TTF (Time to first fix)	< 20 s (hot), < 40 s (cold)
Self initialization time	< 10 min (for precise relative data) < 72 h (for precise absolute data)
Power supply	IN: 10-30 VDC, max. 60W OUT: 12 VDC, max. 12 V / 1 A for external radio modem
Ethernet Port	RJ45, passive PoE 12 VDC
RS232 interfaces	DSUB15 for internal RF modem DSUB9 for external RF modem
Antenna connection	TNC for GNSS antenna TNC for radio modem antenna
Battery	24V, 7Ah, Lead-Gel
Charging time	7 hours
Operating time	> 10 hours (without WiFi)
Dimensions (W x L x H)	464 x 394 x 191 mm
Memory	SD card for 10 local coordinates
Weight	13,5 kg
Operating temperature	-20°C to +55 °C

## Features and options

### Features

- ▲ Quick installation on the proving ground
- ▲ Based on NovAtel L1/L2 GNSS receiver PAC™
- ▲ Connections for internal or external radio modem
- ▲ Ethernet correction data output
- ▲ Complete system with tripod, antenna and cables
- ▲ Packed in a rugged transport case
- ▲ User-friendly operating terminal with SD card for saving local coordinates
- ▲ Manual or automatic position input (averaging)

### Options

- ▲ GLONASS / BeiDou / Galileo
- ▲ Radio modem kits for integration in the GPS Outdoor Base Station, e.g. 403 to 473 MHz, max. 1 W output power, range up to 3 km (subject to approval in Germany) or 869 MHz, max. 0,5 W output power, range < 1 km (license free in Germany and other countries), others on request
- ▲ External radio modems with up to 35 W output power (subject to approval in Germany and other countries)
- ▲ WiFi-Kit for connection to the GPS Outdoor Base Station with WiFi router Dualband 802.11 a/b/g/n, range up to 1 km



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