

# NTRIP-DGNSS-Box 5

*Network RTK with high reliability NTRIP modem*

**With the NTRIP DGNSS Box 5, an ADMA equipped with RTK capabilities can obtain positional correction data through the Network RTK (like SAPOS and ASCOS, SmartNet, ...), without the need for a nearby Base Station. By receiving correction messages through the RTK network, this solution provides significant benefits when conducting tests over long distances, varying elevations, or areas with topographical obstacles that may obstruct communication with the Base Station.**



## AT A GLANCE

- Correction data output via Serial and Ethernet interfaces
- GPGG Log Simulation for operation with e.g., driving robotic control stations
- Recurrence interval for uninterrupted correction data transmission
- User-friendly software for entering network parameters
- Connectivity solution for public and private cellular networks
- LTE CAT 4 Global (4G) supporting mobile networks worldwide
- Redundant connectivity with dual SIMs
- Automatic dial-in and redial after lost connection
- Roaming capability

## Scope of delivery

- NTRIP-DGNSS-Box 5
- 2 x Cellular antenna, direct mounting / SMA male
- RJ45 Ethernet cable
- ADMA connection cable
- Power supply with plug tips for US, UK, EU, AU 100-240 VAC
- Software package for device parameterization

## TECHNICAL DATA

<b>CELLULAR</b>	
Certifications	Visit <a href="#">certification overview @ DIGI</a> for latest certifications
LTE CAT 4 Global (G4)	LTE Cat 4 Global: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B38, B39, B40, B41 3G: B1, B2, B4, B5, B6, B8, B19 2G EDGE / GPRS: 850 / 900 / 1800 / 1900 MHz
LTE CAT 4 Reginal – North America (N4)	LTE Cat 4 Regional – North America: B2, B4, B5, B12, B13, B14, B66, B71 3G: B2, B4, B5
LTE-A CAT 6 CBRS-only – North America (C6)	LTE-Advanced Cat 6 CBRS-only – North America: B42, B43, B48 (CBRS)
SIM slots	(2) Mini-SIM (2FF)
SIM security	Behind SIM cover, secured with screw (#1 Phillips)

<b>SOFTWARE AND MANAGEMENT</b>	
Management Software	NTRIP Device Configurator for <i>Windows</i>

<b>Interfaces</b>	
Ethernet	1x RJ-45; 10/100 Mbps (auto-sensing)
Serial	1x RJ-45 10-pin (10P10C); DTE (RXD, TXD, RTS, CTS, DTR, DCD, DSR, RI)
Power	1x Phoenix Contact p/n 1912184, 2 pos; 5.08 mm (0.2 in) pitch, rewirable plug with securing screw
Antenna	2x Direct / SMA male

#### **HARDWARE / MISCELLANEOUS**

Status LEDs	Power, Internet, SIM 1, SIM 2, SIM fail, LTE, signal strength (5)
Power supply	9 - 30 VDC, 1.0 A maximum
Power consumption	Configurable low-power modes; 1.5 W (light traffic flow), 3.5 W (peak data transmission); 1.25 W (low power mode, idle traffic)
Dimensions (W x L x H)	118 mm x 88 mm x 35 mm (4.65 in x 3.46 in x 1.38 in)
Weight	0.39 kg (0.86 lb)
Operating temperature	-40 °C to 70 °C (-40 °F to 158 °F); device performance may be impacted above 50 °C (122 °F)

**For any further questions:** [support@genesys-offenburg.de](mailto:support@genesys-offenburg.de)