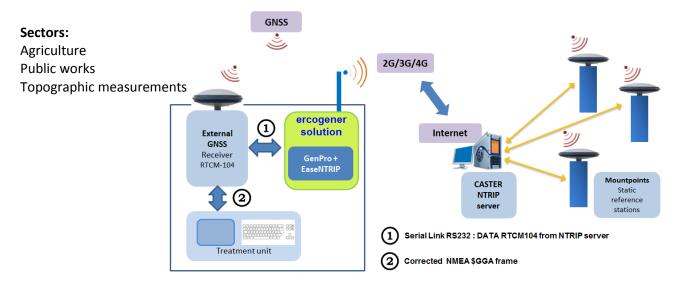# EaseNTRIP
Bridge for centimetric tracking

For tracking systems requiring a high **positioning accuracy** (also called centimetric positioning), the GPS only is not enough.

Our offer of NTRIP[1] bridge [**EaseNTRIP + GenPro**[2]] ensures a real-time connection (2G/3G and 4G) to a RTK[3] data service and sends to the tracking equipment[4], via its RS232 serial link, the correction frames according to the RTCM-104 protocol.
This correction allows obtaining a positioning accuracy of a few centimeters.

[1] Networked Transport of RTCM via Internet Protocol - [3] Real Time Kinematic - [4] Client equipment compatible RTK (RTCM-104) via RS232

Sectors:
Agriculture
Public works
Topographic measurements

The user must be equipped with:
- A tracking equipment compatible with the RTK **RTCM-104** protocol and equipped with a **RS232** serial port for the receipt of correction data transmitted by the GenPro.
- A SIM card with a subscription including a data plan adapted to the data consumption required by this service.
- A subscription to a data service of RTK correction (NTRIP CASTER)

*The EaseNTRIP application is developed with our **EGM™ (ErcoGenerMiddleware)** development environment*

The EaseNTRIP application requires a license and an activation software key (contact us)

Descriptions and non-contractual illustrations in this document are given as an indication only.
ERCOGENER reserves the right to make any modifications

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Groupe *ZeKat*

(2)EaseNTRIP is available for the products GenPro 2G, 3G and 4G:

Mono SIM

GenPro 25e (2G)
GenPro 325e (3G)
GenPro 425e (4G)

Dual SIM option

GenPro 54e (2G)
GenPro 354e (3G)

Features

Configuration :
- Local setting with AT commands
- Protection with password (local and remote)
- Remotely by SMS:
  o Protection with password
  o Protection with authorized numbers
  o Remote update of application via FTP (DOTA)

Communication:
- Automatic management of PIN code
- RS232 serial link configurable (19,2 kbps by default)
- Compatible with networks 2G, 3G an 4G
- Roaming management
- Automatic management of Mountpoints selection
- Connection to NTRIP server:
  o Permanent
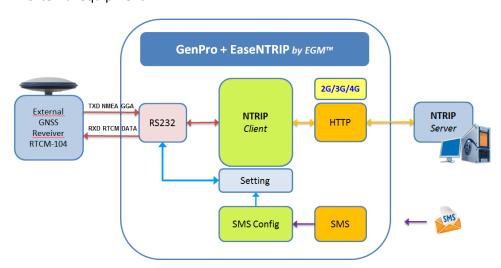 o Upon detection of GGA frames sent by external equipment.

Protocols
- TCP/IP HTTP
- RTCM-104 2.1 / 2.3 / 3.0

Dual-SIM feature:
- For a backup network
- Provided as an option and available only on GenPro 54e / GenPro 354e *(Ref : S0471)*

Low-power mode:
- Automatic sleep mode in case of prolonged inactivity

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