



**MAXOR GGD** integra la tarjeta de posicionamiento Javad GGD-112 con una de las siguientes tarjetas de comunicación: (GSM doble banda, UHF radiomodem, radiofaro, ...) y una antena opcional GPS/Glonass interna ó externa.

Fabricado en una carcasa de metal rugedizada y hermética incluye: 2 baterías recargables de Li-Ion de gran capacidad que proporcionan 15 horas de uso continuo y un cargador interno.

Con el controlador opcional Minipad, no se necesita un controlador externo para muchas aplicaciones. Puede sonar a elección hasta 4 puertos RS 232, USB 1.1., interfases Bluetooth sin cables.

## Standard Configuration

- Maxor-GGD Receiver (0MB)
- Cinderella GPS/GLONASS L2 activation
- 1 Hz Update Rate
- Common Tracking
- NMEA 0183 output
- User Defined Outputs
- MinPad Interface
- 2x RS232 Serial Ports
- 1x External Power Port
- Power Cables
- 1x RS232 Cable

## Optional Features

- GPS/GLONASS L1/L2
- 915 MHz SpSp Radio module
- GSM module
- UHF module
- Update rate 5Hz, 10Hz & 20Hz
- RTK @ 5Hz, 10Hz & 20Hz
- Data Recording 4MB to 1024MB
- CMR/RTCM input/output
- RTCM Multibase Rover
- Advanced Multipath Reduction
- Event Marker
- Additional power port
- 1 PPS and Programmable Timing Signals
- Up to 4x RS232 Serial Ports
- USB 1.1 interface and wireless Bluetooth® interface
- WAAS/EGNOS
- RAIM

## Optional Accessories

- Data Collector
- Ensemble software
- FieldView software

## Description

20 channel all-in-view (GPS L1/L2, GPS+GLONASS L1/L2, WAAS/EGNOS) integrated receiver, rugged aluminum housing complete with MinPad interface

## Tracking Specifications

Tracking Channels, standard

20 GPS L1+L2  
(20 GPS+GLONASS L1+L2 on Cinderella\* days)

Tracking Channels, optional  
Signals Tracked

20 GPS L1+L2 (GD) or GPS+GLONASS L1+L2 (GGD)  
L1/L2 C/A and P Code & Carrier

## Performance Specifications

Baseline Accuracy

Horizontal: 3mm + 1ppm for L1 + L2; 5mm + 1.5ppm for L1  
Vertical: 5mm + 1.5ppm for L1+L2; 6mm + 1.5ppm for L1  
Horizontal: 10mm + 1.5ppm for L1 + L2; 15mm + 2ppm for L1  
Vertical: 15mm + 1.5ppm for L1+L2; 20mm + 2ppm for L1

RTK (OTF) Accuracy

Cold Start

<60 seconds

Warm Start

<10 seconds

Reacquisition

<1 second

## Power Specifications

Battery

Internal Lithium-Ion batteries plus 1x external power port

External power input

6 to 28VDC

Power consumption

Less than 4.3 watts

## GPS/GLONASS Antenna Specifications

GPS/GLONASS Antenna

Integrated

Antenna Type

Microstrip (Zero-Centered)

Ground Plane

Antenna on a flat ground plane

## Radio Specifications

GSM

Internal GSM dual-band, dual-user cellular phone

SpSp

Internal 915 MHz Spread Spectrum transceiver

UHF Radio Modem

Internal Rx or External Tx/Rx

Base Power Output

0.5W/2.0W/35W

## I/O

Communication Ports

4x serial (RS232)

Other I/O Signals

1 PPS, Event Marker

Status Indicator

2x3-color LED's, two function keys (MinPad)

## Memory & Recording

Internal Memory

Up to 1024 MB

Raw Data Recording

Up to 20 times per second (20Hz)

Data Type

Code and Carrier from L1 and L2, GPS and GLONASS

## Data Output

Real time data outputs

RTCM SC104 version 2.2

ASCII Output

NMEA 0183 version 3.0

Other Outputs

JNS format

Output Rate

Up to 20 times per second (20Hz)

## Environmental Specifications

Enclosure

Aluminum extrusion, waterproof

Operating Temperature

-40° C to 55° C

Dimensions

W: 159 x H: 172 x D: 115 mm

Weight

1.80 kg

\*Cinderella feature activates GPS L2 and GLONASS reception at GPS midnight every other Tuesday for 24 hours.

\*Specifications are subject to change without notice.

