

Better than 30 cm GIS... instantly or 5 cm static



GISmore stand-alone or inside the hat

Bluetooth wireless connection to GISmore

- GPS L1
- Galileo E1
- GLONASS L1
- 100 Hz update rate
- RAIM
- Rechargeable Li-Ion Battery
- GNSS Antenna
- GSM Module
- Bluetooth® Interface
- Bluetooth/GSM Antenna

Many ways to use

All Boards Shown in Their Actual Sizes

Eurocard Form Factor



TR-G2 16 EACH OF GPS L1, GALILEO E1

TR-G2T 16 EACH OF GPS L1/L2/L2C/L5, GALILEO E1/E5A



TR-G3 16 EACH OF GPS L1, GALILEO E1, GLONASS L1

IASS L1 TR-0

TR-G3T 16 EACH OF GPS L1/L2/L2C/L5, GALILEO E1/E5A, GLONASS L1/L2





Duo-G2 Two sets of 14 EACH of GPS L1, GALILEO E1

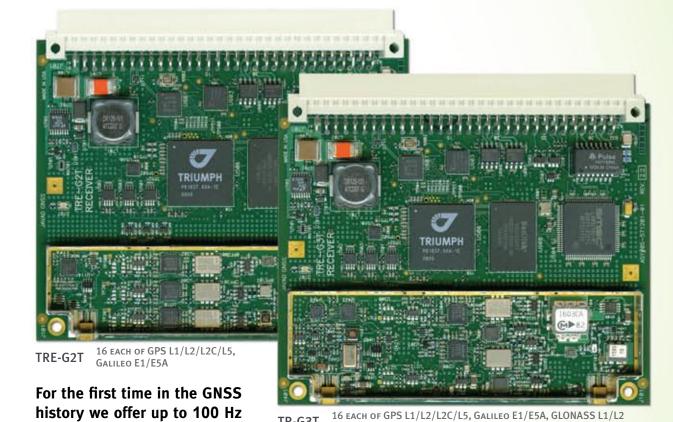
Duo-G2D



Based on 216-channel TRIUMPH chip, our family of nine OEM boards can support you in any GNSS application... now and in the future.

Two sets of 14 each of GPS L1/L2,

RTK.



TRE-G3T-AJ HAS THE ANTI JAMMING CAPABILITY



QUATTRO-G3D

One set of 14 each of GPS L1/L2, Galileo E1, GLONASS L1/L2; and three SET of 14 each of GPS L1/ L2, Galileo E1

Quattro-G₃D is a 100x120 mm Eurocard board that accepts inputs from up to four antennas.

Smaller than a full Eurocard size, it is equivalent of four receivers which operate synchronously with a common oscillator and central processor to coordinate all communications and other activities.



ALPHA

- INTERNAL BATTERY
- CHARGER
- GSM
- BLUETOOTH

FOR: TR-G3, TR-G2T, TR-G3T

DELTA

FOR: TRE-G2T, TRE-G3T, Duo-G2, Duo-G2D, Quattro-G3D



- INTERNAL BATTERY
- CHARGER
- Modem
- GSM

FOR: TRE-G2T, TRE-G3T, Duo-G2, Duo-G2D, Quattro-G3D

Front panel connectors:

Power Input + serial port A + USB + Antenna

Back panel connectors:

Can have up to 3 connectors of 1-PPS • Event Marker • IRIG • GSM Antenna (without Bluetooth antenna).

When Bluetooth antenna is installed only one extra connector can be installed.

Example 1: BT Antenna + GSM Antenna Example 2: 1-PPS output + Event Marker + GSM Antenna

Front panel connectors:

Option 1: Power Input + Serial A + Serial B + Serial C + Antenna

Option 2: Power Input + USB + Serial A + Serial C + Antenna

Options 3: Power Input + USB + Serial A + Serial C + Ethernet

Back panel connectors:

Can have up to 4 connector of 1-PPS A

• 1-PPS B • Event A • Event B • Antenna •
CAN • IRIG B

Example: 1-PPS A + 1-PPS B + Event A + Event B

Front panel connectors:

Can have Power Input • Second Power Input • USB • Serial A • Serial B or C • Ethernet

and up to 4 connectors of 1-PPS A • 1-PPS B • Event A • Event B • Antenna • CAN • IRIG • RS422

Back panel connectors:

Can have SIM door and GSM Antenna connector and up to 4 connectors of 1-PPS A • 1-PPS B • Event A • Event B • Antenna • IRIG • Modem Antenna

Example: GSM Antenna + SIM door + 1-PPS A + 1-PPS B + Event A + Modem Antenna



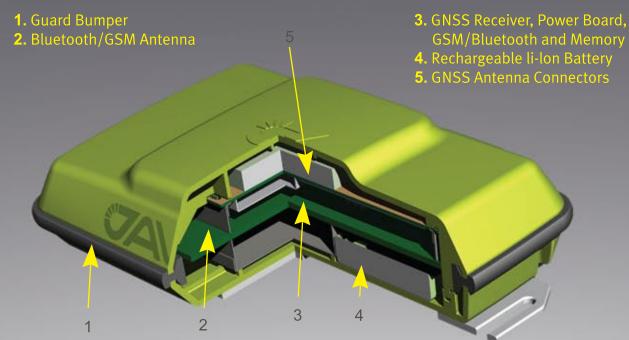












216-channel TRIUMPH

Tracking Specification

Tracking Channels GPS L1/Galileo E1/GLONASS L1

Signals Tracked L1 C/A, Code & Carrier

Power Specification

Internal Li-Ion battery (3.7 V, 1.05 Ah) with internal charger

Operating time Standby mode

Call mode

+4.5 to +6.5 volts Input Voltage

GNSS Antenna Specifications

GNSS Antenna Internal

Antenna Type Microstrip (Zero Centered)

Ground Plane Antenna on a flat ground plane

Radio Specifications

GSM/GPRS Module

Internal GSM/GPRS guad-band module, GPRS

Class 10

GSM/GPRS Antenna Internal

1/0

Communication Port

Bluetooth V2.0+EDR Class 2 supporting SPP Slave

One LED

and Master Profiles

GSM Status Indicator

External Power port 1 port

Performance Specifications

Static, Fast Static Accuracy Horizontal: 5 cm + 0.5 ppm * base_line_length Vertical: 5 cm + 0.5 ppm * base_line_length

Kinematic Accuracy

Horizontal: 5 cm +1 ppm * base_line_length Vertical: 5 cm +1.5 ppm * base_line_length

RTK(OTF) Accuracy

Horizontal: 5 cm +1 ppm * base line length Vertical: 5 cm + 1.5 ppm * base_line_length

DGPS Accuracy < 0.25 m Post Processing,

< 0.5 m Real Time

Cold Start <65 seconds Warm Start <5 seconds Reacquisition <1 second

Memory & Recording

Internal Memory

Up to 256 MB of onboard non-removable memory for data storage

Raw Data Recording

Up to 100 times per second (100 Hz)

Code and Carrier from GPS L1/Galileo E1/GLONASS L1

Environmental Specifications

Aluminum extrusion, waterproof Enclosure

Operating Temperature -40° C to +55° C

Dimensions W: 79 mm x H: 33 mm x D: 131 mm

Weight 210 g

Stimulus Package for Surveyor's Recovery

Dear American and Canadian Surveyors...

With the current economic situation, we understand that for a while, your business may not have as much work as before. We view this as an opportunity for you to use this time to upgrade your equipment and train on the latest technology.

American-made GNSS receivers contain technology that no one else offers. For example:

- JAVAD GNSS offers **216-channel** receivers while the second best offer 76 channels. Furthermore, their 76-channel technology is based on designs which are at least six years old.
- By dynamically and continuously calibrating GLONASS signals to an accuracy of 0.2 millimeter, only JAVAD GNSS offers quality GLONASS tracking that is as good as GPS. Without our GLONASS tracking, other receivers provide no advantage for you or worse, may hurt your observations and you may not even notice it.
- Only JAVAD GNSS can offer Galileo tracking. No one else has it. They even do not have "memory code", which is essential for Galileo.

To be a partner with you during this difficult time and help you upgrade your equipment to the latest technology — that can support you now and in the future — we offer the following program:

- 1. For a limited time, you can purchase as many as three receivers at economy-sensitive prices.
- 2. If you wish to purchase the unit(s) outright, you can buy our TRIUMPH-1 RTK receivers for \$5.500 each.

3. For a lower cash-outlay, you can purchase our TRIUMPH-1 RTK receivers for \$3,300 each now and then pay an additional recovers. This is an honor system with no questions asked. It is only YOU who will decide when your business has recovered and you are in a position to pay the rest. We believe in trust and partnership.

Each TRIUMPH-1 receiver in this offer can be used as base or rover for 1 Hz RTK and consists of triple frequency GPS, integrated internal antenna, dual-internal rechargeable batteries (up to 20 hours of continuous work), Advanced Multipath Reduction in all channels, WAAS/EGNOS, internal UHF modem, internal GSM, Bluetooth, two serial ports, and USB. The receivers can be upgraded to include GLONASS and Galileo and many other features at low prices when you decide you need these enhancements.

As for data logging and post processing software, we offer our state-of-the-art Tracy and Justin software for an additional cost of \$1,000 each. Carlson software is another option that you may obtain from us or from Carlson Software directly.

We offer this program directly to you, or through our dealers who have agreed to

participate with almost no profit to them. Our worldwide support system can assist you in ways that you have never experienced. Our \$6,600 each as your business policy is to support all customers within 24 hours for any problem they may have. With this offer, we will also provide a two month money back guarantee if, for whatever reason, you want to return the units. No questions asked.

> In a return to the business days of yore, this is a no-collateral, handshake offer. From the bottom of my heart, I want to help rebuild the survey business in America. This is all about building partnerships. We are convinced that once you use our superior technology, we will be able to keep you as a future customer. As for our innovative win-win offer, I want to again stress that it is based on trust. For those of you who opt for option 3 above, when you make money with our equipment, you will be happy to pay us the remainder of the cost.

For more details or to order, please visit

WWW.JAVAD.COM