

G4MX2



**Reliable tracking, messaging & alerting for
AFF and firefighting applications.
Providing the same seamless coverage,
tracking and communication as our G4
and G4C solutions with additional features
for aerial firefighting operations.**

DESCRIPTION

The G4MX2 solution provides a complete end-to-end system supporting ATU, AFF, text messaging and more. Both ATU and AFF reports received by GMI are automatically sent to U.S. government agencies using the government mandated protocols.

The G4MX2 solution provides the same data tracking, messaging and alerting features as the G4C, but is designed as a fixed installation to aircraft. In addition to multiple digital inputs, the G4MX2 offers analogue inputs which allows the ATU to offer specialized aerial firefighting capabilities that meet international standards. GMI makes it easy for our customers to meet the ATU and AFF requirements.

KEY FEATURES

- ✓ Enhanced areal firefighting capability (ATU)
- ✓ Multiple interfaces
- ✓ World-wide coverage
- ✓ Additional I/O's and sensor management
- ✓ Emergency alerting/notifications and point of interest
- ✓ All-in-one box – robust enclosure
- ✓ Text messaging via app
- ✓ Internal or external antenna option
- ✓ Last message after loss of power
- ✓ Field firmware upgradable
- ✓ Dual mode satellite/cellular option
- ✓ Bluetooth connection to GMI Connect smart phone app

SPECIFICATIONS



MODEM

Iridium SBD 9603N + LTE



SIZE

W 150 mm (6") x H 100 mm (4") x D 33 mm (1.3")



WEIGHT

350 g (0.77 lbs)
excludes any optional mounting bracket.



POWER

9V - 28VDC 1A
Maximum - Socket type power connector - Integral UPS for shut down messages.



SENSORS

Altimeter, 3 Axis
Accelerometer, 3 Axis Gyro,
3 Axis Magnetometer,
Temperature



CONNECTORS

USB A, USB Mini-B and Mini-B 3 x SMA. (GPS, Iridium & LTE Antennas), reverse polarized SMA for BT antenna and DB26 connector



INTERFACE

Bluetooth 4 connectivity with smartphones, tablets, laptops to allow User control of the G4. 10x Digital input, 8 analog input, 2 digital output I/O's and RS232



ANTENNAS

External antenna required for Iridium, LTE and GPS 66 Channel ultra-high tracking sensitivity (-165 dBm) receiver.

SPECIFICATIONS



ENVIRONMENTAL

Operating Temperature:
-20 Deg C to +55 Deg C (-4 Deg F to +131 Deg F)

Storage Temperature:
-40 Deg C to +80 Deg C
(-40 Deg F to +176 Deg F)



MESSAGES

Preformatted (up to 99 messages) and Free Form Text messages. (up to 130 characters per message)



TRACKING REPORTS

Configurable position and manual point of interest updates



CERTIFICATION

AFF, EMI, EMC & part DO-160



FDM LOGGING

External and internal sensors at a 1/second rate, per flight



AUTOMATIC AUXILIARY TELEMETRY UNIT (ATU)

Built-in ATU fill/drop/pump/other event functionality & interfacing for US Forestry and Australia NAFC OPS- 014 Airborne firefighting, for multiple Bucket types/variants (Bambi, Fast, Dart) and Isolair Tanks



FIELD UPGRADEABLE

Easily update your device in the field using USB connection



Iridium, cellular and GPS external antenna configuration