

MilDef Tracking System TGW102



The TGW102 is the main controller for our sensors* (over a mesh network) , communicates with the Track24 server either via GSM or via Sattelite. The TGW102 is very robust with an aluminium enclosure and protected according to IP64. Easy mounting with magnetic fasteners.

Easy to set threshold values and create triggers for alarm.

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Technical Specification

Mesh radio network	Runs on the ISM 2.4GHz band
Range	500m range between nodes (free line of sight and 5dBi antenna)
Sensors	3 axis shock sensor (max 50g readout) Temperature sensor (-40°C to 85°C measurement)(-40°F to 185°F) Humidity sensor (0% rH to 100% rH) Positioning sensor (GPS)
Power consumption	< 500mW (max) < 5mW (typical)
Alarm	Selectable alarm threshold via SAT, GPRS or service interface
Satellite network	Iridium
Interfaces (Front)	1 x Service Port 1 x System button with status indicator 1 x Battery compartment
Interfaces (left)	1 x Door sensor interface (binder) 1 x Satellite Interface (compatible with Track24 Whisper)
Interfaces (top)	1 x Mesh radio antenna (SMA) 1 x GPS antenna (SMA) 1 x GPRS antenna (SMA) 1 x SAT antenna (SMA)
Interfaces (back)	4 x Rubberized magnetic fastener
Interfaces (internal)	1 x SIM card compartment
Battery	3x 3.6 V / 2000 mAh Lithium-Ion battery.
Power Input	DC 3.6 V (external power optional)
Case	Aluminium alloy
Dimensions	153 x 48 x 98 mm (W x D x H /w connectors and magnetic fasteners)
Weight	≤ 1300g.
Certifications	IP64

*Contact MilDef for more information about different type of sensors

