



4G QT IRIIDIUM 1000 PLANTWATCH GPS TRACKER



The 4G QT Iridium 1000 is the most advanced Global GPS solution for the mashinery industry. It incorporates both a full band 4G LTE/WCDMA and Iridium SBD transceiver, providing truly global communications coverage, with full satellite communications where there is no GSM signal coverage, tracking and securing your asset worldwide. Protected in a rugged, IP 68 Waterproof casing, the QT 1000 provides a superior sensitivity GPS engine. Where ever your asset is, anywhere in the world, the 4G QT Iridium 1000 will track it, monitor it, and protect it, securing your absolute peace of mind.

The 4G QT Iridium 1000 is perfect for:



Excavators



Bulldozers



Dump Trucks



Road rollers



Crane trucks

FEATURES

- Iridium SBD transceiver, delivering truly global coverage
- Dual mode Full band 4G LTE/WCDMA/GSM coverage where available to reduce monthly data costs when in port
- High sensitivity -165 dBm (Tracking) fast acquisition GPS
- Multiple Digital Inputs with Analogue input and output
- SOS Button Optional
- Rugged IP68 waterproof casing
- DC Tolerance voltage, from 8V to 32V
- RS485 Bus Compatible Custom Accessories
- Internal Battery, 3.7V, 500m Ah
- Embedded 3D accelerate sensor
- Firmware update: Update over the air

DEVICE SPECIFICATIONS

- **Size:**
120mm (L) x 103mm (W) x 28mm (H)
- **Weight:**
215 g
- **Battery:**
Li-Po 3.7V 500mAh
- **DC Tolerance:**
8V to 32V
- **Current:**
GPRS online 40mA
GPRS transm it 80mA
GPRS peak 120mA
- **Operating temperature:**
-20 to 60 °C
- **Transmit\Receive Frequency:**
1616-1625MHz
- **Transmit power:**
1.6W

- **Message size:**
Tx 340bytes
Rx 270bytes
- **Latency:**
20 sec (typical)
- **Frequency:**
E:
FDD-LTE B1/B3/B7/B8/B20
UMTS/HSDPA/HSPA+ B1/B8
GSM/GPRS/EDGE 900/1800 MHz
A:
Tri-BAND FDD-LTE B2/B4/B17
UMTS/HSDPA/HSPA+ B2/B5
SA:
FDD-LTE B1/B3/B5/B7/B8/B28
Dual-Band UMTS/HSDPA/HSPA+ B1/B5
- **Stability of Frequency:**
<2.5ppm

WIRING DIAGRAM AND EXPLANATION

- 1 GND** - Power and digital ground
- 2 Power** - External power input, 9-36V DC
- 3 ARM** - Open drain, 150Ma, For Fuel cut
- 4 ACC input** - Digital input, positive trigger
- 5 RS485-A** - RS485 bus, Dif erential signal A
- 6 RS485-B** - RS485 bus, Dif erential signal B
- 7 DOORM Negative input** - Digital input, negative trigger
- 8 Negative input** - Digital input, negative trigger(SOS input)
- 9 DOORC Negative input** - Digital input, negative trigger
- 10 AD1** - Analog input, Input 0-36V,If connect to fuel level sensor, Input 0-5V
- 11 GND** - Power and digital ground
- 12 Trailer** - Analog input, Input 0-36V, If voltage more than 12V, trailer connected

