

GPS PADLOCK WITH IRIIDIUM SATELLITE LINK AND SOLAR PANEL

AT10G

 Iridium + 4G

An electronic seal that works anywhere in the world: switches automatically between 4G and the Iridium satellite network. 15,000 mAh battery topped up by a solar panel.

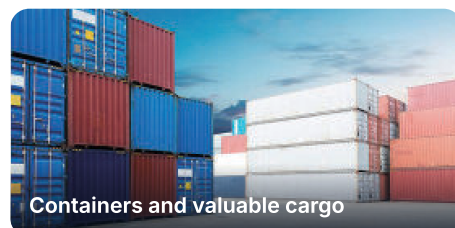


Key features

-  Iridium satellite module – global coverage, including at sea
-  Automatic 4G / Iridium switching
-  1.8 W solar panel and DC charging
-  15,000 mAh battery
-  Cable-cut, casing tamper and detach alarms
-  Lock on / unlock alarm (physical switch)
-  Optional LoRa module – up to 5 km
-  IP67 waterproof


DIMENSIONS
195 × 116 × 46 mm
WEIGHT
1336 g
BATTERY
15 000 mAh
INGRESS PROTECTION
IP67

Applications



Technical specifications

Iridium satellite communication	
Module	Iridium 9602N (SBD)
Frequency	1616 – 1626.5 MHz
Current (5 V)	Idle avg. 35 mA; transmit avg. 140 mA (peak 1.3 A); receive avg. 40 mA
SBD transfer power	≤ 0.8 W
Cellular and LoRa	
4G modem (optional)	Quectel EC200N-CN
LTE-FDD	B1/B3/B5/B8/B28/B66
LTE-TDD	B34/B38/B39/B40/B41
GSM	B3/B8
LoRa (optional)	LLCC68, 433 MHz, 22 dBm, sensitivity -129 dBm, range up to 5 km (open area)
Location	
GPS chip	AT6558R, L1 1575.42 MHz
Sensitivity	Acquisition -148 dBm, tracking -162 dBm
Accuracy	< 5 m CEP
Time to fix	Hot start < 1 s, cold start < 30 s
Power	
Battery	Lithium 15,000 mAh, DC and solar charging
Solar panel	Monocrystalline 6 V / 1.8 W, 21% efficiency, 112 × 95 × 3 mm
Sleep current	About 1 mA (3.7 V); several sleep modes
General	
Dimensions	195 × 116 × 46 mm; with mounting tray 195 × 242 × 65 mm
Weight	1336 g
IP rating	IP67
Operating temperature	-30 °C ~ +75 °C (high-temperature battery)
Humidity	5% – 95%
LED indicator	7 colours: GSM, GPS, Iridium, LoRa, power and charging