

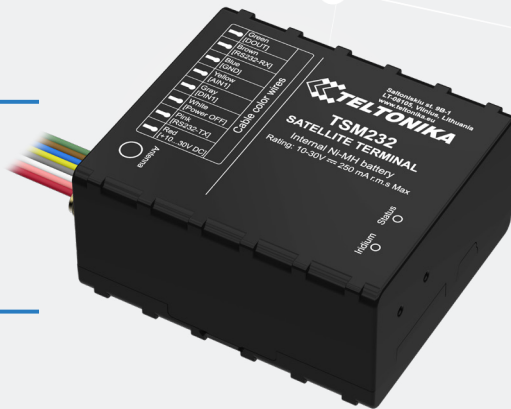
TSM232

SATELLITE TERMINAL

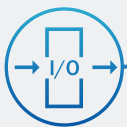
Teltonika TSM232 is Iridium SATELLITE terminal with a backup battery. Full solution combines TSM232 with Teltonika FM6300, FMB630 or FMB640 connected via RS232. This solution allows to transfer data to server via Iridium satellite network when other terrestrial networks are unavailable. High capacity internal Ni-MH battery ensures long autonomous working hours, when main power source is disconnected. Such solution meets the demand of high security logistic, marine transport, construction & mining transport, oil/gas industry, public safety, government/defence and more.



Allows device to work without external power source



RS232 is an industrial standard for serial communication



Digital Input/Output for remote monitoring and control



Transfer data to server via Iridium satellite network

USE CASES



CONSTRUCTION
AND MINING



MARINE
TRANSPORT



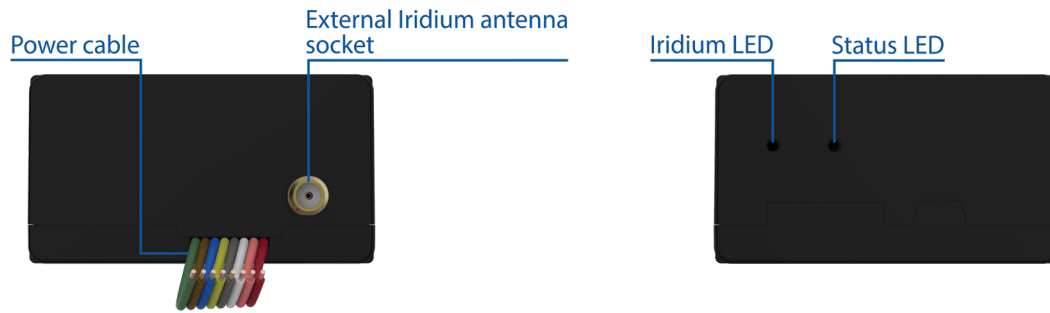
PUBLIC SAFETY
SERVICES



HIGH SECURITY
LOGISTICS



OIL - GAS
INDUSTRY



Module

Name	Iridium 9603 SBD Transceiver
Technology	Iridium satellite transceiver

Power

Input voltage range	10 - 30 V DC with overvoltage protection
Back-up battery	Internal Ni-MH backup rechargeable battery 7.2 - 7.5 V 400mAh
Power consumption	At 12V < 7.13 mA (nominal)

Physical specification

Dimensions	64 x 56 x 30 mm (L x W x H)
Weight	210 g

Interface

Digital Inputs	1
Digital Outputs	1
Analog Inputs	1
RS232	1
Antenna	External Iridium antenna
LED indication	2 status LED lights

Operating environment

Operating temperature (without battery)	-25 °C to +55 °C
Storage temperature (without battery)	-40 °C to +70 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41
Battery storage temperature	-20 °C to +35 °C

Features

Functionalities	Data transferring via Iridium satellite network when GSM network is unavailable Smart RS232 communication algorithm One FMB640/FM63XY message size forwarded to TSM232 is only 14 bytes Message contains: Time/Coordinates/Speed/DIN1-4/DOUT1-2/Event ID Data sending can be initiated by periodic time interval or by panic priority event
-----------------	---

Certification & Approvals

Regulatory	REACH
------------	-------

