Iridium Edge FAQ

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FAQ - Frequently asked questions regarding Teltonika Iridium Edge solution

Here you will find answers to the most frequently asked questions about Teltonika Iridium Edge.

Please check available questions and answers to them here. If you are not able to find answer then fill the Helpdesk query.

Question	Comments
Which Teltonika GPS trackers support Iridium Edge?	Teltonika FMC125 and FMX64x trackers support Iridium Edge currently.
With the FMX64 model, can CAN data be sent via Iridium data link?	CAN data be sent only using GSM link. Using Iridium data link you can send: Location, Speed, Ignition status, Panic button, DIN, DOUT, Crash detection (FMC125).
Can the data sending work for real-time monitoring? Or should it be scheduled for each x second/minutes reports?	No, it will start working when the connection is lost.
Does the device need to have certifications CE/FCC/PTCRB or any local ones?	Iridium Edge device certificates are to be found at https://www.iridium.com/products/iridium-edge/. Requirements for certification are decided by local governments.
What use cases do we have?	The use case is published here - https://teltonika-gps.com/industries/use-cases/logistics-tracking-in-remote-areas-using-iridium-connected-telematics-solution/. The solution is particularly useful for various applications, such as remote mining and construction, international logistics, wildlife tours, and remote team management, so more use cases will follow.
When working with iridium SBD, can GPS tracking device send data and also receive commands?	Iridium Edge is only able to send data, one way transmission.
Does Iridium Connected Telematics Solution have information available at teltonika wiki.	Yes, there is information available about Iridium Edge at https://wiki.teltonika-gps.com/view/Iridium_Edge.
Does Iridium Edge have IP67 rating?	The Iridium Edge has IP67 rating.
Does Iridium Edge has any power/Status LEDs?	Iridium Edge does not have power/status LEDS present at the moment.
Will there be the possibility of parallel operation of GSM and iridium?	Where there is no GSM connectivity, Iridium Edge will work, and when the vehicle enters the mobile coverage area, Iridium Edge solution will switch to it. If the device loses a GSM connection, it switches to Iridium network.

How many devices can I connect to one Iridium Edge modem?	There is possibility to connect only one device.
Would it be possible to get iridium satellite visibility in underground areas i.e: basement/tunnel/etc?	It is not possible to get Iridium Edge satellite visibility in underground areas.
In regards to SBD; How many MB(megabytes) is the plan? 8 MB for a month? More than that?	There are 4 different data plans for Iridium Edge - SBD8, SBD12, SBD17 and SBD30. The number defines how many KB of data this plan includes per month. So no Megabytes but Kilobytes
If I want to send 2 DIN's, will it cost me 2 bytes?	No, the packet is always 14 bytes and the amount of DIN's/DOUT's enabled does not have an affect on the packet size. Regarding the CAN parameters - they are not implemented in the SBD packet, so they cannot be sent via Iridium Edge. If this is a key feature for the client, it could be implemented by launching a CDP.
How will I get charged for the data? What if the usage is more than 8MB? Is there another data package plan?	The client is charged monthly - You will receive the invoice at the end of each month from Iridium and the client will have to pay for the data/activations that were used during that month. If client goes above their plan limit, they will be charged additionally for each 1000 bytes they go over their monthly limit.
Will the device send a login packet before sending this iridium data packet?	No. Everything will be sent according to Iridium SBD protocol. All messages will be sent as a separate packet, there is no login packet
Will we be getting all the MO IEI's in each and every packet?	Yes, if not configured otherwise.
Could you provide a time stamp conversion formula?	59 28 2B A3 timestamp – convert hex value to decimal value to get Unix epoch (or Unix time or POSIX time or Unix timestamp) after what you can use online converter(https://www.epochconverter.com/) to convert unix time to human readable format.