

Inmarsat ISAT Data Pro

Event driven IoT



Inmarsat's IDP messaging service provides complete visibility and control of assets operating in remote areas, globally. With its two-way satellite connectivity, IDP is ideal for remotely monitoring and controlling fixed, portable and mobile assets used in various IoT applications. Galaxy 1 has over 15 years of experience in connecting devices to global networks, ensuring end user data gets to its destination reliably and securely.

Store and forward messaging

IDP is a type of IoT store and forward messaging, where data from a device behind the terminal is stored locally until a scheduled moment, when it is sent near real time to a pre-defined destination. Flexible message sizes allow for a wide range of use cases ranging from simple sensor data to relatively complex forms and even remote file updates.

IDP Terminals

The terminals have a very small footprint, for example the ST6100 only measures 12.6 cm x 12.6 cm x 4.9 cm. Whereas IDP does require line of sight of the Inmarsat satellite, no pointing of the terminal is required. The terminals have very low power consumption and there are models that can run on (rechargeable) batteries. Some models include a cellular module, thereby enabling IDP-Cellular hybrid communica-

tions. The terminals are low cost with rapid return on investment in a number of industrial applications. The easy installation allows for rapid deployment in many environments.

Global footprint

The Inmarsat constellation supports IDP globally. Dependant on the terminal type, the elevation angle typically supported is from -5° to $+90^{\circ}$.



Flexible Configuration - Communication

Some terminals use AT commands, others use the richer LUA language for enhanced configurations.



Suitability

The IDP solution is very well suited to the utility and energy sector, in particular for non critical infrastructure. It can be used to provide daily reporting as well as reporting by exception.

IBIS

IDP is fully supported in the Galaxy 1 business support system IBIS. IBIS provides functionality for provisioning and monitoring as well as for controlling the IDP terminals.

Terminal management in IBIS

- Overview of installed base, together with other (IoT) satellite products purchased from Galaxy 1
- Near real time provisioning
- Hourly Call Detail Records
- Usage monitoring with emailed alerts
- IDP Mailbox management



Terminal information and control in IBIS

- Messages and message history overview
- Global map with all IDP terminals
- Commands to:
 - Mute/unmute
 - Request metrics
 - Ping
 - Request configuration
 - Request position
 - Reset
 - Set Wake Up interval



Other satellite IoT products:

Iridium Edge Pro
EchoStar LoRa Direct to Satellite

More information

Please contact your account manager
or visit www.g1sat.com .