## IDP 600 Series

**Satellite Communication Terminals** 



IDP-680 Land Terminal



IDP-690 Maritime Terminal

The IDP 600 series terminals use the two-way Inmarsat IsatData Pro satellite service for remotely managing fixed and mobile assets anywhere in the world.

| SATELLITE COMMUNICATION   |  |
|---------------------------|--|
| Satellite Service         | Two-way, IsatData Pro                              |
| Coverage                  | Global   |
| From-Mobile Message       | 6,400 bytes  |
| To-Mobile Message         | 10,000 bytes                                       |
| Typical Latency           | <15 sec, 100 bytes                                 |
| Elevation Angle (IDP-680) | +20° to +90°                                       |
| Elevation Angle (IDP-690) | -15° to +90°                                       |
| Frequency                 | Rx:1525.0 to 1559.0 MHz<br>Tx:1626.5 to 1660.5 MHz |
| EIRP (IDP-680/IDP-690)    | 7.0 dBW/5.0 dBW                                    |
| GPS                       |  |
| Acquisition Time          | Warm: 16 sec; Cold: 36 sec                         |
| Accuracy                  | 4 m (CEP)  |
| Sensitivity               | Acquisition: -136 dBm<br>Tracking: -146 dBm        |

| EXTERNAL INTERFACES  |   |
|--|---|
| Inputs/Outputs   | 4 - Analog or Digital In/Out  |
| Serial   | 1 - RS232, 1 - RS485  |
| ELECTRICAL   |   |
| Input Voltage  | 9 to 32V<br>Load Dump Protection: +150V   |
| Average Power Consumption (Typical@12VDC, 22°C)                                    | Receive: 8.3 mA<br>Receive with GPS: 60 mA<br>Transmit: 0.75 A<br>Sleep: 100 µA |
| PROGRAMMING  |   |
| Lua scripting engine with core services. SDK with GUI development tools available. |   |
| User Data Memory   | 3.5 MB  |
| Geofencing   | 128 Polygons  |

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|-----------------------|---|
| Geofencing            | 128 Polygons  |
| MASS                  |   |
| IDP-680/IDP-690       | 460 g   |
| ENVIRONMENTAL         |   |
| Operating Temperature | -40°C to +85°C  |
| Storage Temperature   | -40°C to +85°C  |
| Dust & Water Ingress  | IP67  |
| Vibration             | SAE J1455 (Sec 4.9.4.2 fig 6-8)<br>MIL-STD-810G (Sec 514.6)                         |
| Shock                 | MIL-STD-810G (Sec 516.6)  |
| Load Dump Protection  | SAE J1455 (Sec 4.13)  |
| CERTIFICATION         |   |
| Satellite             | Inmarsat Type Approved  |
| Other                 | CE Mark, FCC, RoHS, Anatel  |
| ORDERING CODES        |   |
| SM201016-SXG          | IDP-680, Side-mount   |
| SM201016-BXG          | IDP-680, Bottom-mount   |
| SM201009-SXG          | IDP-690, Side-mount   |
| SM201009-BXG          | IDP-690, Bottom-mount   |
| KT931002-001          | Development kit with free airtime, training and support. Order terminal separately. |

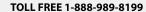
IsatData Pro is a trade mark of Inmarsat and is a service delivered by SkyWave Mobile Communications through the Inmarsat network.

## HOW TO BUY

SkyWave mobile devices and satellite airtime services are available through a network of Solution Providers who offer turnkey solutions and industry expertise.

Visit us at SkyWave.com to learn more.





1455 N. Dutton Suite A, Santa Rosa, CA 95401 FAX 707-546-8198 • info@remotesatellite.com www.remotesatellite.com

