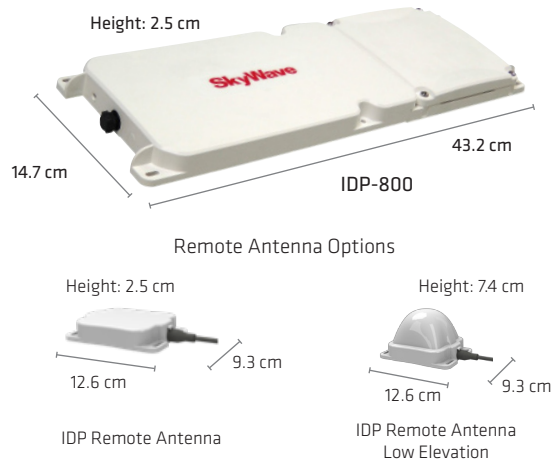


IDP-800 Series

Satellite Communication Terminals



The IDP-800 series of terminals uses the two-way IsatData Pro satellite service for remotely tracking and managing fixed and mobile assets anywhere in the world. This low profile terminal is ideal for trailers, containers, vehicles and vessels, and can either be powered by non-rechargeable batteries, rechargeable batteries, or vehicle power. The IDP-800 can also be purchased with optional remote antenna.

REMOTE ANTENNA OPTIONS

| | |
|---------------------|---|
| 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 | +20° to +90° (Integrated or remote antenna) -15° to +90° (Low elevation antenna) |
| Frequency | Rx:1525.0 to 1559.0 MHz Tx:1626.5 to 1660.5 MHz |
| EIRP | 7.0 dBW |

GPS

| | |
|------------------------|----------------------|
| Acquisition Time | Hot: 1s Cold: 27s |
| Accuracy | 2.5 m CEP-Horizontal |
| Sensitivity (Tracking) | -159 dBm |

EXTERNAL INTERFACES

| | |
|----------------|------------------------------|
| Inputs/Outputs | 3 – Analog or Digital In/Out |
| Serial | 1 – RS-232 |

ELECTRICAL

| | |
|---|--|
| Input Voltage | 9 to 32V Load Dump Protection: +150V SAE J1455 (Sec 4.13) Auto switchover |
| Power Consumption (Typical@12VDC, 22°C) | Average Receive: 8.3 mA Receive with GPS: 40 mA Transmit: 0.75 A Sleep: 100 µA Power off: 12µA |
| Battery Cells | 12 AA Cells |
| Battery Chemistry | Rechargeable: NiMH Non-Rechargeable: LiFeS2 |

CHARGING

| | |
|-------------|-------------------|
| Current | 1.33A (at 12V) |
| Time | 4 hours (maximum) |
| Temperature | 0°C to 45°C |

PROGRAMMING

Lua scripting engine with core services. SDK with GUI development tools available.

| | |
|------------------|-------------------------|
| User Data Memory | 3.5 MB |
| Geofencing | 128 Polygons |
| Data Log | 50,000 Position Reports |

MASS

| | |
|----------------|----------------------------------|
| With batteries | 1.3 kg (With integrated antenna) |
|----------------|----------------------------------|

ENVIRONMENTAL

| | |
|-----------------------|---|
| Operating Temperature | -40°C to +85°C (batteries not included) -40°C to +60°C (Non-rechargeable) -10°C to +50°C (Rechargeable) |
| Dust & Water Ingress | IP67 |
| Vibration | SAE J1455 (Sec 4.9.4.2 fig 6-8) MIL-STD-810G (Sec 514.6) |
| Shock | MIL-STD-810G (Sec 516.6) |

CERTIFICATION

| | |
|------------|-------------------------------|
| Regulatory | CE, FCC, IC |
| Other | RoHS (batteries not included) |

ORDERING CODES

| INTEGRATED ANTENNA | REMOTE ANTENNA | BATTERIES | TYPE |
|--------------------|----------------|--------------|------------------|
| SM201091-CXX | SM201145-CXX | Not Included | Non Rechargeable |
| SM201091-DXX | SM201145-DXX | Included | Non Rechargeable |
| SM201092-CXX | SM201146-CXX | Not Included | Rechargeable |
| SM201092-DXX | SM201146-DXX | Included | Rechargeable |

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

Positioning technology provided by u-blox

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.

SKYWAVE MOBILE COMMUNICATIONS INC.

750 Palladium Drive T + 1.613.836.4844
Suite 368, Ottawa, Ontario F + 1.613.836.1088
K2V 1C7 CANADA SKYWAVE.COM

SkyWave

WIRELESS DATA
COMMUNICATIONS

inmarsat

DSE041013