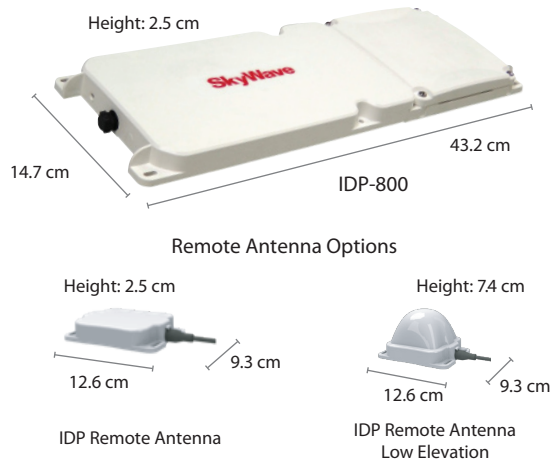


IDP-800 Series

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	
SM201092-CXX	SM201146-CXX	Not Included	Rechargeable
SM201092-DXX	SM201146-DXX	Included	

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.



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