

# DMR-800D / DMR-800L

Satellite Communication Terminals



The DMR 800 series satellite terminals, operating on SkyWave's global IsatM2M network, offer customers looking to track, monitor and control remote fixed and mobile assets a low-cost solution that is easy to use, install and maintain.

SATELLITE COMMUNICATION	
Satellite Service	Two-way, IsatM2M
Coverage	Global
From-Mobile Message	Up to 192 bytes
To-Mobile Message	Up to 100 bytes
Typical Latency	<30 seconds
Elevation Angle	0° to +90° (DMR-800D) -20° to +90° (DMR-800L)
Frequency	Rx:1525.0 to 1559.0 MHz Tx:1626.5 to 1660.5 MHz
EIRP	9 dBW max
GPS	
Acquisition Time	Cold-start: 34 s SuperSense <sup>®</sup> : -148 dBm
Accuracy	2.5 m CEP; 5.0 m SEP

## EXTERNAL INTERFACES

Inputs/Outputs	4 – Analog or digital in/out
Serial	1 – RS232: console interface

## ELECTRICAL

Input Voltage	9 to 32 VDC
Power Consumption (Typical @ 12VDC, 22 °C)	Transmit: 10.5 W (DMR-800D) Transmit: 11.7 W (DMR-800L) Tracking (GPS on): 1.0 W Hibernate: 0.24 mW

## PROGRAMMING

Script Logic	256 actions, 64 alarms, 64 timers, 32 data transformers
Data Log	320 KB, up to 17,200 positions
Geofencing	128 polygons

## ENVIRONMENTAL

Operating Temperature	-40 °C to +85 °C
Storage Temperature	-40 °C to +85 °C
Dust & Water Ingress	IP67/NEMA-4X

## CERTIFICATION

Satellite	Inmarsat Type Approved
Regulatory (DMR-800D/DMR-800L)	FCC; RoHS; CE Mark (R&TTE); Anatel
Regulatory (DMR-800L only)	IEC/EN 60945 incl. sec 11.2 Standard Compass Safe (30cm) Emergency Compass Safe (25cm)

## ORDERING CODES

SM200284-BHG/SHG	DMR-800D (bottom/side)
SM200312-BHG	DMR-800L (bottom)
SM200312-BHR/SHR	DMR-800L (GLONASS, bottom/side)
SM200268	Evaluation Flex-Kit: Cables for DMR/SureLinX, airtime, and support. Order any 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](http://SkyWave.com) to learn more.

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