

DLS-100



## DLS-100 Iridium Certus® Midband Datalink and GPS System for UAS Connectivity



UP TO	UP TO
<b>22</b>	<b>88</b>
kbps	kbps
UPLINK	DOWNLINK

### Ruggedized and portable datalink for global Iridium Certus and GPS connectivity

SKYTRAC's DLS-100 is an Iridium Certus midband transceiver enabling real-time command and control, telemetry streaming, and photo transfer from unmanned aviation systems.

The ruggedized and IP67 compliant modem enables 22 Kbps uplink and 88 Kbps downlink speeds. Designed for use with unmanned aircraft systems (UAS), the cost-effective Iridium Certus modem allows for pole-to-pole connectivity around the globe with 99.9% reliability and stunningly low latency.

The modem is compatible with commercial and DoD SIM cards and also features remote management functionality through web or software API as needed.

#### Key Capabilities Include:

- Beyond Visual Line of Sight (BVLOS) Comms.
- Real-Time UAS Command and Control (C2)
- UAS and Payload Health Monitoring
- Real-Time Flight Data Monitoring (FDM)
- Global Network-based Remote ID
- Flight Data Acquisition



#### Discover SKYTRAC

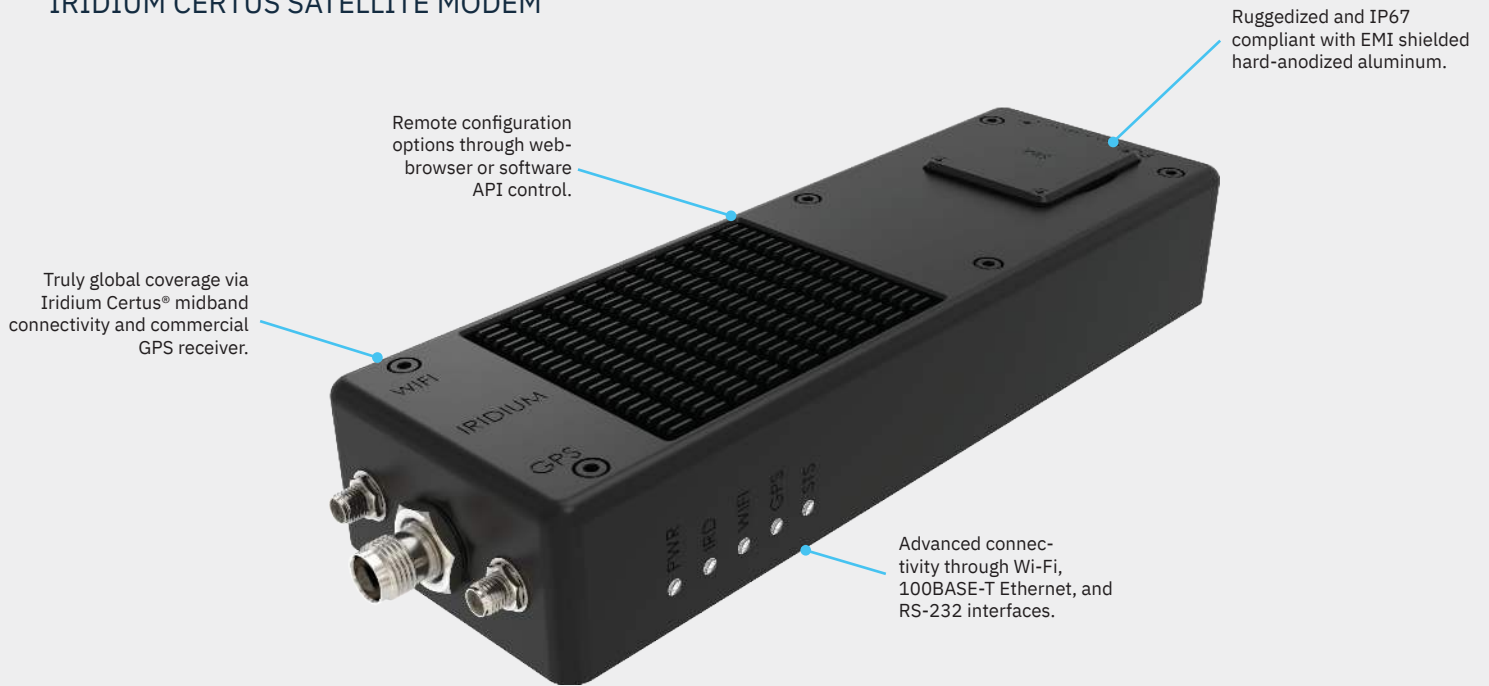
Over its 35 year history, SKYTRAC has become the partner of choice for data-guided business insights. As an Iridium Aviation Partner, SKYTRAC is well-positioned to leverage Iridium Certus broadband to provide operators with leading capabilities.



SKYTRAC is part of the ACR Group of companies.

# DLS-100 DATA SHEET

## IRIDIUM CERTUS SATELLITE MODEM



## PRODUCT SPECIFICATIONS

### IRIDIUM SERVICES

Iridium Certus

### OPERATING FREQUENCY

1616 MHz to 1626.5 MHz

### POWER CONSUMPTION

**Input Voltage:** 10-32V DC

**Current:** <1.75A @ 12V input

### STORAGE CAPACITY

N/A

### OPERATING TEMPERATURE

-4°F to 122°F (-20°C to +50°C)

### ENVIRONMENTAL

IP67 Compliant

### DIMENSIONS

H x W x D = 1.5" x 8.7" x 2.7"

38.1 mm x 221.0 mm x 68.6 mm

### WEIGHT

26.2 oz (742.8 g)

### INTERFACES

- Wi-Fi Connectivity
- GPS/GNSS
- DB-25 (custom pin-out for RS-232, Ethernet, and Power)
- Multiple Discreet I/O

## PRODUCT HIGHLIGHTS

- Beyond Visual Line of Sight (BVLOS) Communications
- Real-Time Aircraft Command and Control (C2)
- UAS and Payload Health Monitoring
- Real-Time Flight Data Monitoring (FDM)
- Easy integration with Onboard Sensors and Servers
- Flight Data Acquisition
- Global Network-Based Remote ID

Specifications subject to change. Contact [sales@skytrac.ca](mailto:sales@skytrac.ca) for latest revision.