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

iridium Value-Added Partner to Iridium®

UP TO
22
kbps
UPLINK

UP TO
88
kbps
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.

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Discover SKYTRAC
Over its 30 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.

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)
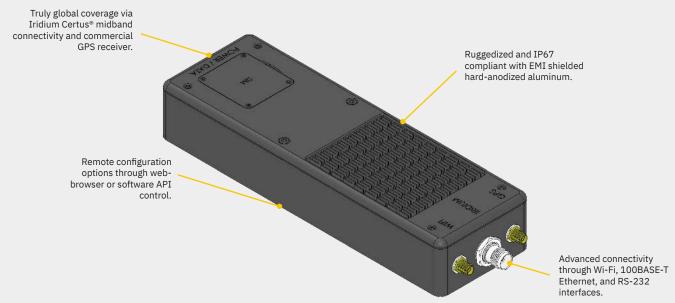• Global Network-based Remote ID
• Flight Data Acquisition

SKYTRAC is part of the ACR Group of companies.

DLS-100 DATA SHEET
IRIDIUM CERTUS SATELLITE MODEM

SKYTRAC 2

Truly global coverage via Iridium Certus® midband connectivity and commercial GPS receiver.

Ruggedized and IP67 compliant with EMI shielded hard-anodized aluminum.

Remote configuration options through web-browser or software API control.

Advanced connectivity through Wi-Fi, 100BASE-T Ethernet, and RS-232 interfaces.

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
- Cellular and 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
- Flight Data Acquisition
- Real-Time Flight Data Monitoring (FDM)
- Global Network-Based Remote ID
- Easy integration with onboard sensors and servers

Specifications subject to change. Contact sales@skytrac.ca for latest revision.