DLS-140

DLS-140 - Iridium Certus® 100 Midband IP Datalink Solution for Aviation Operations

iridium connected

UP TO **22** kbps UPLINK

UP TO **88** kbps DOWNLINK

Cloud-based device and user management platform delivering data and voice for global satellite and cellular connectivity.

The DLS-140 delivers next generation, global satellite and cellular technology to support voice and data for aviation.

This compact and versatile communications terminal offers Iridium Certus 100 satellite technology and 4G/LTE cellular, switching between each datalink with least-cost routing software. The DLS-140 also enables enterprise-grade IP connectivity.

The DLS-140's small size allows for easy integration and installation on aircraft or the ability to be used as a transferrable portable device. Enjoy constant connectivity anywhere on the planet.

Key Capabilities and Product Highlights:

- Enable **Iridium Certus** midband connectivity and **4G/LTE cellular**
- Switch between cellular and satellite connectivity using **least-cost routing software**
- Access reporting features to track and manage data usage, positioning, device health, and more
- **Low SWaP** for easy install on a variety of aircraft
- Support **Beyond Visual Line of Sight (BVLOS)** and autonomous communications
- Support **VoIP and messaging apps**

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.

*DO 160G Cerficiation applies to the terminal only, not to potential add-ons

SKYTRAC is part of the ACR Group of companies.

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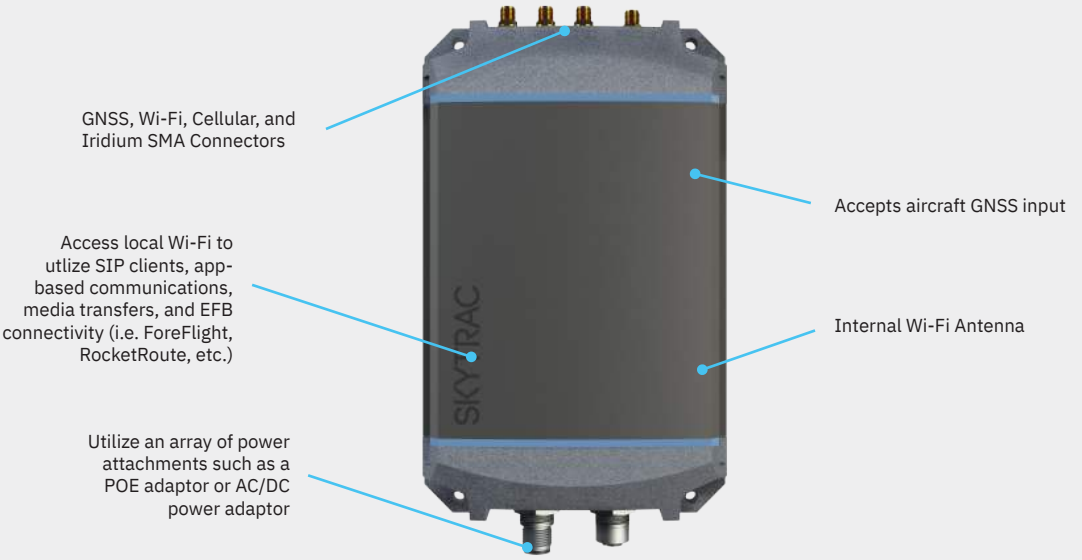
DLS-140 DATA SHEET

GLOBAL IRIDIUM DATA GATEWAY



PRODUCT SPECIFICATIONS

IRIDIUM SERVICES
Iridium Certus

POWER REQUIREMENTS
10 VDC to 34 VDC

POWER CONSUMPTION
18W peak power, 7W nominal

OPERATING TEMPERATURE
-40°C to +70°C (-40°F to 158°F)

ENVIRONMENTAL
IP65 Compliant

DIMENSIONS
12.7 cm x 20.3 cm x 3.2 cm (H x W x D)
(5” x 8” x 1.2”)

WEIGHT
730 g (1.6 lbs)

ENVIRONMENTAL TESTS
DO-160 Revision G

CONNECTIVITY

- Iridium Certus Satellite
- Cellular and Wi-Fi connectivity
- GNSS
- Ethernet, USB
- Least-cost routing
- Remote device management
- Diagnostics and health monitoring
- Data analytics and edge computing
- Integration with fleet management tools

ANTENNAS

These antennas offer a variety of data rates, interfaces, and dimensions, based on your operational profile.

Application	Antenna Class		Description	Data Rates	Interface	Dimensions	Weight
Manned Aircraft	Certus 100 Low Gain		Aviation Patch Omni Antenna	Iridium Certus 100; 22 Kbps Transmit (Uplink) 88 Kbps Receive (Downlink)	TNC Female Single Coax	3.5” diameter (8.89 cm)	170 g (6.0 oz)
Manned Aircraft	Cellular/Wi-Fi Combo		Aviation Antenna for Optimized Connectivity	Data rates are network dependent; Supports up to 4G/LTE	Two TNC Female Single Coax	5.3” x 2.1” x 3.0” (13.6 cm x 5.3 cm x 7.6 cm)	190 g (6.7 oz)
Unmanned Aircraft	Certus Low Gain Antenna		Non-Aviation Helical Omni Antenna	Iridium Certus 100; 22 Kbps Transmit (Uplink) 88 Kbps Receive (Downlink)	SMA Male Connector	1.9” x 0.8” diameter (4.9 cm x 1.9 cm diameter)	34 g (1.2 oz)
Unmanned Aircraft	Cellular Antenna		Cellular Connectivity (3G/4G, LTE)	Up to 50 Mbps Download Up to 10 Mbps Upload	SMA Male Connector	5.7” x 0.5” diameter (14.4 cm x 1.3 cm diameter)	18 g (0.64 oz)

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

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