

G6

iridium® Certus®100



An all-in-one satellite Terminal

The G6 provides an IP data platform for any aviation asset and guarantees connectivity anywhere in the world.

DESCRIPTION

The G6 terminal utilizes bi-directional mid-band 88kbps for use with the Iridium NEXT Satellite network. It uses IP data protocol and has multiple interfaces to ensure simple application integration. The design have made it the ideal solution for military/law enforcement/EMS applications that rely on critical data communication.

KEY FEATURES

- ✓ 88/88 kbps Satellite Terminal
- ✓ All-in-one
- ✓ Truly Global coverage
- ✓ DO-160G Certified
- ✓ Encryption
- ✓ Integrated Iridium and GPS antenna
- ✓ Multiple interfaces
- ✓ Backup power
- ✓ Background IP
- ✓ Streaming video and imagery
- ✓ Voice, VOIP & PTT
- ✓ Flight Data Monitoring, telemetry and exceedances
- ✓ Automated Flight Following (AFF)
- ✓ Enhanced aerial firefighting

SPECIFICATIONS



MODEM

Iridium CERTUS® 100 CST
88/88kbps



SIZE

W 14.7 cm (5.8") x L 22.6 cm
(8.9") x H 8.1 cm (3.2")



WEIGHT

2 kg (4.4 lbs)
excludes any optional
mounting bracket.



POWER

9V - 32VDC wide range 2A



ENVIRONMENTAL

Operating Temperature:
-40 Deg C to +71 Deg C

Storage Temperature:
-40 Deg C to +85 Deg C



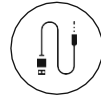
SENSORS

Altimeter, 3 Axis
Accelerometer, 3 Axis Gyro,
3 Axis Magnetometer,
Temperature



SAND AND DUST PROOF AT

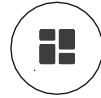
+55 Deg C and ambient



CONNECTORS

D38999

13 Pin or 37 Pin Amphenol
aerospace circular connector



INTERFACE

WiFi, RS232 Bluetooth 4, 2
Ethernet, 9 digital inputs, 2
digital outputs, 5 analog
inputs, analog audio I/O
(requires 37 pin connector)



ALTITUDE

Up to 25,000 Feet



HUMIDITY

Up to 95% at +55 Deg C



SALT FOG

48-hour continuous exposure



ANTENNAS

Built in Iridium CERTUS
and GPS



INGRESS PROTECTION CODE

IP 66



FLUID SUSCEPTIBILITY

Continuous spray of de-icing fluid



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 **ENVIRONMENTAL**

DESIGNED TO RTCA/DO-160G/MIL-ST-704F (28VDC SYSTEMS)



TEMPERATURE

Category B2



HUMIDITY

Category C



VIBRATION

Category S & U2



EXPLOSIVE ATMOSPHERE

Category E



WATERPROOFNESS

Category S



FLUID SUSCEPTIBILITY

Category F



POWER INPUT

Category B



VOLTAGE SPIKE

Category A



RADIO FREQUENCY SUSCEPTIBILITY

Category T



RADIO FREQUENCY EMISSION

Category H



AUDIO FREQUENCY SUSCEPTIBILITY

Category B



INDUCED SIGNAL SUSCEPTIBILITY

Category AC



MIL-STD-704F POWER 28 VDC

Table IV, Fig 13 & 15



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