

G6-S

iridium® CERTUS®100



Certus external antenna satellite device

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

DESCRIPTION

The G6-S 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. . The G6-S allows use of external GPS, Iridium Certus and Wi-Fi antennas in applications requiring antennas remote or dispersed from the G6-S IP data platform.

KEY FEATURES

- ✓ 88/88 kbps Satellite Terminal
- ✓ Simple installation
- ✓ Truly Global coverage
- ✓ DO-160G Certified
- ✓ Encryption
- ✓ External Iridium, GPS, Wi-Fi antennas
- ✓ Multiple interfaces
- ✓ Uninterrupted 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

CERTUS® 100 **Jacobs** CST
88/88kbps



SIZE

W 14.6 cm (5.75") x L 28 cm
(11.0") x H 4.7 cm (1.84")



WEIGHT

<1.8 kg (4.0 lbs)
excludes any optional
mounting bracket.



POWER

12V - 32VDC wide range 3A



ENVIRONMENTAL

Operating Temperature:

-40 Deg C to +70 Deg C

Storage Temperature:

-40 Deg C to +85 Deg C



SENSORS

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



CONNECTORS

13 Pin Amphenol aerospace circular
connector and 26 Pin I/O connector.
RF: TNC Iridium, SMA GPS and SMA-
RP Wi-Fi.



INTERFACE

Wi-Fi, RS232, 2X ARINC 429 RX
channels, 1X Ethernet, 11 digital inputs,
2 digital outputs, 5 analog inputs,
analog audio I/O. Front panel or
remote LEDS-Iridium, GPS, Wi-Fi
signal status.



ALTITUDE

Up to 55,000 Feet



HUMIDITY

Up to 95% at +55 Deg C



SAND AND DUST PROOF AT

+55 Deg C and ambient



ANTENNAS

External Iridium
CERTUS, GPS and Wi-
Fi.



INGRESS PROTECTION CODE

IP 54



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ENVIRONMENTAL

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



TEMPERATURE

Category B2



HUMIDITY

Category A



VIBRATION

Category S & U2



EXPLOSIVE ATMOSPHERE

Category E



WATERPROOFNESS

Category Y



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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