

GUARDIAN | 3

Portable, Affordable AFF

The Guardian 3 is a versatile aircraft tracking product available as either a portable or permanently installed device that runs on the Iridium network. This product offers various antenna configurations and is ideal for Automated Flight Following (AFF) compliance or fleet operators who require aircraft location and status information.

SPECIFICATIONS

PHYSICAL	Size: W 160mm x H 44.5mm x D 114.3mm Weight: 450 g (1 lb)
ENVIRONMENTAL	Operating temperature: - 30 °C to + 60 °C Storage temperature: -40 °C to + 80 °C Enclosure material: GE Ultem 9085 resin
POWER	Power input: 9-28 VDC Power consumption: < 2 Watts average, 8 Watts peak
TRACKING	Configurable tracking reporting interval
COMMUNICATION	Iridium 9601 satellite modem Frequency range: 1616 MHz to 1626.5 MHz
ANTENNAS	External GPS antenna connector: Reverse polarized SMA, 50 ohm External Iridium antenna connector: SMA, 50 ohm Internal GPS antenna: Gain: 2.0db @ 90 degrees, Polarization: RHCP, Axial ratio @ 90 degrees: 3 db maximum Internal Iridium antenna: Gain: 2.0db @ 90 degrees, Polarization: RHCP, Axial ratio @ 90 degrees: 3 db maximum
GPS	12 channel tracking sensitivity -156 dBm

