



AVIONIC

TPZ-AVI0100

**TELESPAZIO GLOBAL SOLUTION FOR HIGH
AVAILABILITY BRLOS (BEYOND RADIO LINE
OF SIGHT) COMMUNICATION CERTIFIED FOR
AIRCRAFTS**

KEY FEATURES

- MIL-DTL-38999 Amphenol connector
- Satellite channel through Iridium constellation
- IP connectivity based on Iridium Certus® 100 services
- Telespazio cloud infrastructure and user portal
- C2, telemetry and payload communications

Telespazio TPZ-Avio100 perfectly matches the service requirements for airborne vehicles that require DO-160G certification. It provides a robust bidirectional satellite communication channel using IP protocol from on board and on ground premises (e.g. Ground Control Station), entailing a flexible BRLOS capability service at low latency. Telemetries, Command and Control (C2) and payload information can be safely transmitted.

The engineered design guarantees a high availability and reliable communication channel through the usage of the Iridium® satellite constellation.



The device has an embedded computer running a Linux-based operating system with generous computation and memory resources so that many applications and customer applications software can be effectively operated.

EASY INSTALLATION AND READY TO USE

TPZ-Avio100 is a **plug and play device**, after having installed it onboard your aircraft and secured the external satellite antenna (certified DO-160G) on the fuselage, it is ready to work.

A 9-36 VDC power supply range is required. The power input is protected against voltage spikes.

The primary use of TPZ-Avio100 is to exchange telemetry, commands and data directly from the aircraft to a remote station through Iridium constellation.

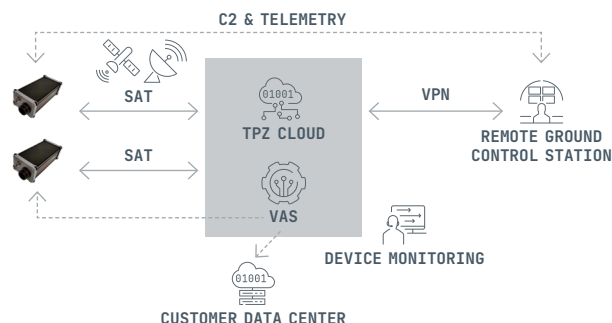
TPZ-Avio100 strengths are the extremely reliable connectivity, the compact and lightweight design and the possibility to use any customized app on the computing module opening the way to unlimited purposes.

Telespazio also offers a digital platform, **TPZCloud**, that empowers the customer to exploit any feature of the aircraft: position tracking, data analysis, graph suite and much more!

MAIN SPECIFICATIONS



- Connection speed: 88 Kbps in download and 22 Kbps in upload
- Ruggedized aluminium shell, Electronic components designed for avionic environment
- Iridium Certus 9770 transceiver
- Single Board Computer with 16GB SD memory and 8GB RAM
- Serial RS-232, Ethernet RJ45 connector, USB 3.0
- Weight: 660 gr (cables and antenna excluded)
- Dimensions: 201x61x86 mm
- Power supply: 9-36 VDC
- Secure network infrastructure for customer data
- European RED and Iridium Certification



- A true service enhancer
- Access your aircraft from anywhere
- Analyze data in a safe cloud environment



TPZ-Base100



TPZ-IoT100



TPZ-Air100



TPZ-Avio100

TPZ-COMBOX FAMILY