

Airborne Mobile IT



Airborne mobile IT systems present a special challenge in design and integration.

- Weight and Vibration
- Use in a confined space
- Special power supplies



In addition, users may need special devices integrated with their chosen mobile computer.



- GPS navigation and positioning
- GSM, TETRA and GPRS communications
- Vibration and thermal management
- Cameras and remote sensors

Using materials such as aircraft grade alloys, high density foam, and bespoke GPRS mouldings light, vibration absorbing structures are created. Compact design minimises space whilst giving access to all key functions. Power supplies that work with the 24/28 volt aircraft supply systems, and have special input connectors complete the configuration.

Right: A lightweight aluminium tray with epoxy finish houses a shock mounted Fujitsu 3500 pen PC and an interconnected Garmin GPS housed in a custom ABS shell. The unit is designed for use in aircraft, it has a companion aircraft power charger.



At OSYS we can both configure existing designs to your needs, or develop new solutions.