

INTRODUCTION

Tenencia Aerospace Design is an EASA approved Design and Production Organisation, specialising in providing Turn-Key Solutions.

We produce Design packages and Installation Kits in-house, giving our customers single-source procurement and the benefits of an efficient combined operation. Our AS9100 Quality Management System oversees all our work.

Our Wireless (WiFi) IFE solution provides Gate-to-Gate system availability. We have conducted TPED testing on different aircraft types for this purpose.

The system consists of a Server Unit and multiple Wireless Access Points throughout the cabin. Cockpit and (optional) cabin switches are also included.

Our Turn Key solution includes high quality EASA STC Packages, Installation Kits and Equipment.

We have been successfully installing Wireless IFE since 2014.

FEATURES & BENEFITS

Gate-to-Gate

- » The system can be used in all phases of flight

GSM Data Transfer

- » Data transfer to and from the aircraft via GSM

Ancillary Revenue Generation

- » Generate revenue from passengers

Short Installation Times

- » Our Airbus A319 solution has been installed in one overnight stop

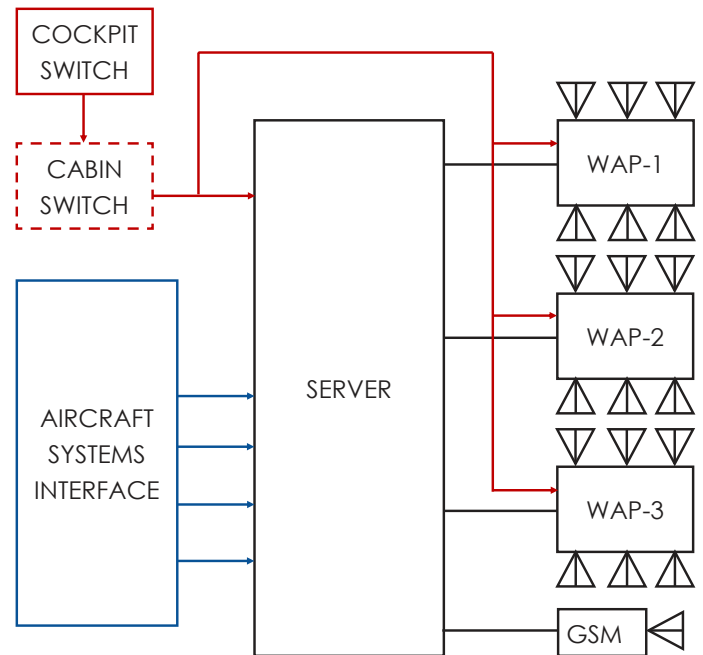
- » Learn more: tenencia.co.uk

Full System Integration

Wireless IFE



Wireless IFE system (Airbus A320 shown)



SYSTEM ARCHITECTURE

The wireless IFE system comprises of the following components:

- Server – The IFE Server is the head end component of the IFE system and is used to store and distribute audio-visual content, communicate with ground cellular networks and interface with various existing aircraft systems
- Wireless Access Point (WAP) – The WAP receives content from the server via ethernet and wirelessly transmits this content to passenger PEDs over an IEEE 802.11 a/b/g/n/ WLAN
- GSM Antenna – Transmits system data from the IFE server over the GSM terrestrial network
- Cockpit WiFi Switch – An integrally lighted switch panel is installed in the cockpit. A WiFi ON/OFF illuminated push-button switch is mounted on this panel
- Cabin WiFi Switch – An optional cabin switch is mounted in the cabin for flight attendant use

COMPLIANCE

- » JAA Administrative and Guidance Material Temporary Guidance Leaflet No 17, Passenger Service and In-Flight Entertainment Systems
- » Certification Review Item (CRI) F-01 WLAN and Interfacing (T-) PEDs
- » Certification Memoranda CM-ES-003 – Guidance to Certify an Aircraft as PED tolerant

CONFIGURATIONS

- » Variable quantities of Wireless Access Points
- » Cockpit Switch Panel
- » Cabin Switch Panel

CONTACT US

For more information, please contact us:

Dakota House
Coventry Airport
Coventry, CV8 3AZ
United Kingdom

Phone: **+44 (0) 2476 882695**
Email: **info@tenencia.co.uk**
Web: **tenencia.co.uk**

Tenencia Aerospace Design is now part of
Carlisle Interconnect Technologies

