

# THALES

## InFlyt Experience™

The Smart Choice for the Connected Airline

### WIRELESS MODE CONTROLLER

Product Description



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# WIRELESS MODE CONTROLLER

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## WIRELESS MODE CONTROLLER

### INTRODUCTION

The Wireless Mode Controller (WMC) Product Line includes tablet devices and docking stations. First-class and business-class passengers will use the tablet as a second screen device to:

1. Augment the primary screen, Thales SVDUs, with information and additional content.
2. Deliver Audio/Video on Demand (AVOD) application and services.
3. Application platform for Thales and third-party applications.
4. Communication between the first-class or business-class passenger and an airline flight crew.
5. Control of on-wing subsystems.

### FEATURES

#### Product Overview

With the introduction of our 6<sup>th</sup> Generation product we have made several changes to the product line. The Wireless Mode Controllers (WMC) are the new LRUs addition to the 6<sup>th</sup> Generation of the Avant IFE system. With the support of the WiFi and Bluetooth technologies, the WMC will provide the premium passengers the experience of wireless access to the Inflight Entertainment Applications such as: Video/Audio on Demand, communication to the flight crew as well as other premium passenger (Video chat), Remote control of the on-wing subsystem (seat control, window shade control, lightning control, wireless headphone, ect...).

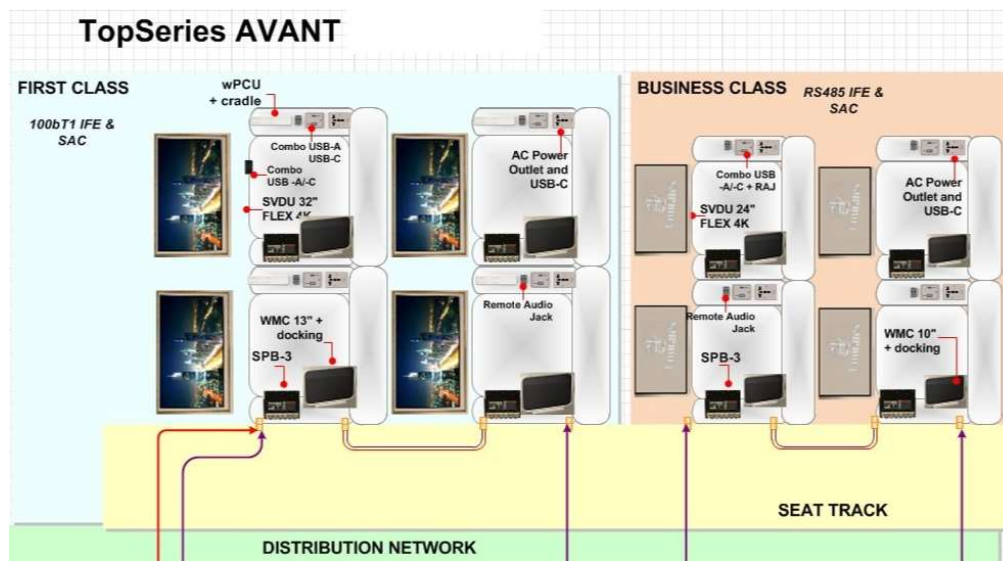


Figure 1 - Premium Seats LRUs Configuration



Figure 2 - 10.1" WMC Tablet & Dock Station

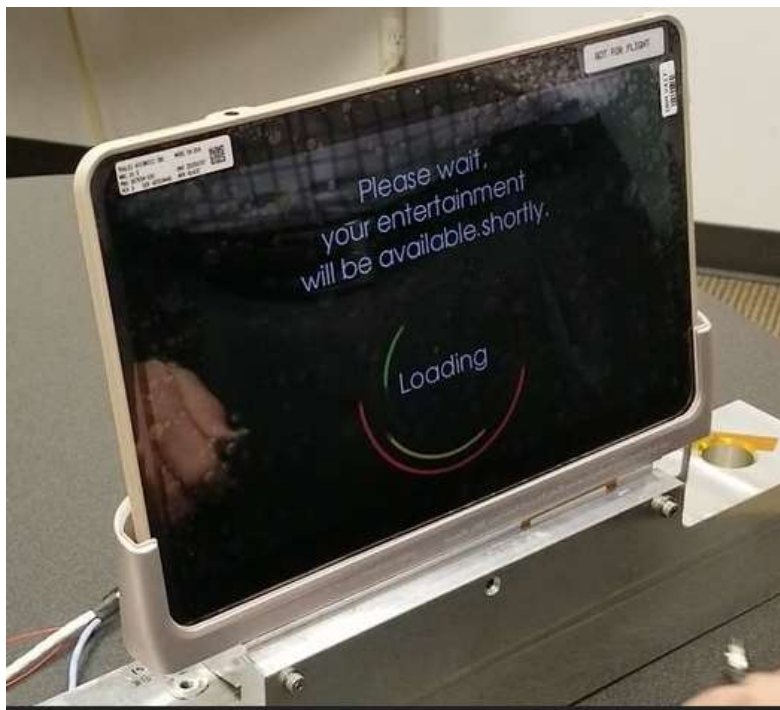


Figure 3 - 13.3" WMC Tablet & Dock Station

## Standard Features

Features	10.1" WMC (186521-20x)	13.3" WMC (187554-10x)
LCD Diagonal Dimensions	10.1"	13.3"
LCD Resolution	1920x1080	1920x1080
Capacitive-touch Screen	5 Point Multi-Touch	
Buttons	LCD on/off, Volume up/down	
Wireless	WiFi 802.11 B/G/N/AC Bluetooth 4.1	
Connector	Headphone Jack	
Camera	Front and Rear	
Battery	25Wh Lithium-Ion Polymer (LiPo)	
Remote Peripheral Interfaces	Docking Station: Battery charging, 1Gb Ethernet interface with IFE system	
Operating System	Android 7.1.1	
Microprocessor	Qualcom 820, 4 Core	
Storage	128GB SSD or 512GB SSD	
RAM	4 GB	
Weight (est.)	Tablet: 2.2 lbs Dock: 1.5 lbs	Tablet: 2.9 lbs Dock: 2.25 lbs
Power (est.)	Tablet docked: 30W (typical), 60W (max) Tablet undocked: 8W (typical), 12W (max)	
MTBF (on-wing hours)	Tablet: 20,000h ; Dock: 30,000h	

**Table 1 –Standard Features and Specs**

## Operation Modes

The Wireless Mode Controller has two modes of operation: tablet docked and tablet undocked.

### 1. Tablet docked (Wired mode)

- During taxi, take-off, landing, and turbulence flight phases, the tablet shall be docked and locked. Passenger cannot remove the tablet from the dock.
- The communication between the tablet and the Inflight Entertainment System (IFE) is via the 1Gbits Ethernet port.
- The tablet and the dock are powered by the +28VDC Seat Power Unit.
- Battery is charging by the dock (if battery is not fully charged)
- IFE applications and communication with IFE system is via 1Gbits Ethernet

### 2. Tablet undocked (Wireless mode)

- During other phases of the flight (climbing, cruising), tablet will be unlocked so passenger can undock the tablet and use it for the available IFE applications on cabin

- The WiFi and Bluetooth will be enabled to allow the tablet to wirelessly communicate with the IFE system
- The tablet will be powered by the built-in battery

## SUMMARY OF BENEFITS

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The latest IFE Avant GEN6 LRUs were designed to not only improve the passenger experience, but also cut costs and increase the bottom line. The Wireless Mode Controller can serve as an entertainment, information or retail platform providing passengers access to an expansive marketplace filled with the most recent Shopping Catalogs, Movies, Destination Information and more. Other improved functions and benefits include...

- **Increased usability** – flexible placement of remote peripherals in business and first-class seats
- **Improved passenger experience** – The Seat Environment Control and Inflight Entertainment Apps are wireless accessible via WiFi & Bluetooth
- **Responsive user interaction** – latest system-on-chip (SOC) microprocessor that has the horsepower to run the most up-to-date software, off-load video and audio processing and manage network traffic to provide fast response to user interaction including video game control and video-on-demand (VOD) services



The Thales logo is rendered in a bold, white, sans-serif font. The letter 'A' is stylized with a small white dot above it. The logo is positioned in the bottom left corner of a large teal graphic that occupies the left side of the page. The teal graphic has a curved right edge and is set against a white background with two thin, curved lines on the right side.

**THALES**

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