

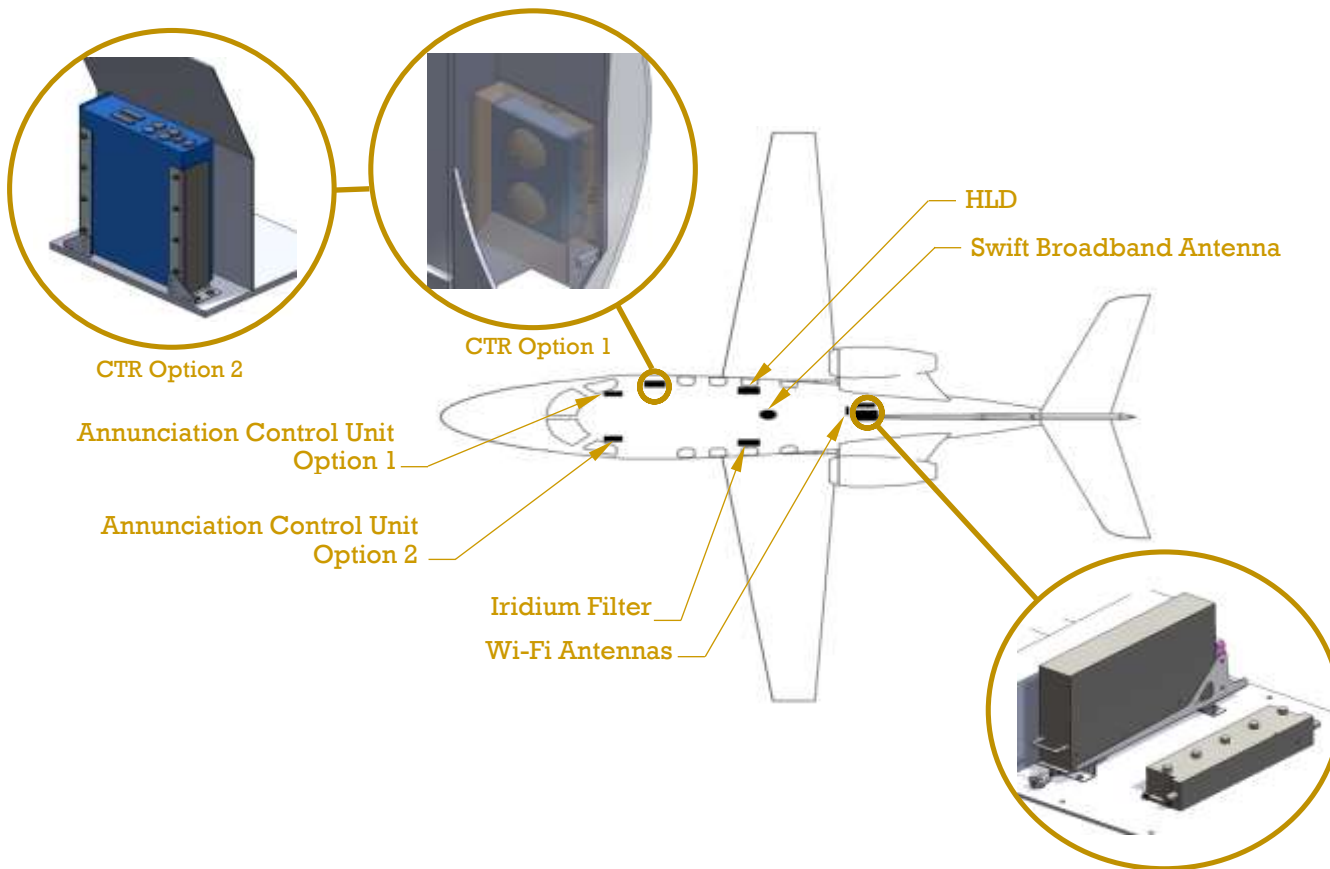
SBU, CTR and WLAN STC Information Sheet

STC# SA04171AT, Embraer S.A. EMB-500 (Phenom 100) aircraft, Please Contact Nextant Aerospace at 216-261-9000 or engineering@nextantaerospace.com for STC and Kit Pricing and Availability.

- **STC# SA04171AT allows for:**
 - Thrane and Thrane Aviator 200 Swift Broadband System (SBU) with Wireless Local Area Network (WLAN) and/or Aircell Cabin Telecommunications Router (CTR) with Wireless Local Area Network (WLAN).

Equipment Description	Part number	QTY
Swift Broadband Unit (SBU)	405040A	1
Iridium Filter	405019A	1
Swift Broadband Antenna	TT-3002A	1
Swift Broadband Configuration Module	405040A-001	1
High Power Amplifier, Low Noise Amplifier and Diplexer (HLD)	405016A	1
Iridium Filter	500918	1
WLAN Antenna	TT-5040A-004	2
Annunciation Control Unit	MD41-1948	1
Cabin Telecommunications Router (CTR)	P12083	1

Locations:



SBU and Iridium filter

- Cabin Telecommunication Router (CTR) Features:
 - Provides high speed, in-cabin wireless connectivity for Wi-Fi.
 - Includes a full 802.11 b/g Wi-Fi Hotspot “hot-spot.”
 - When paired with a broadband connection, can be used to operate personal laptops, PDA’s (Personal Digital Assistant) and other Wi-Fi devices.

- Swift Broadband Unit (SBU) Features:
 - Up to 8 simultaneous voice calls.
 - IP Packet or streaming Swift Broadband Data.
 - Ethernet Connectivity.
 - Built-in router with six ethernet interfaces.
 - Built-in wireless access point.
 - Low weight and power consumption.
 - Compact 2 MCU size.
 - No forced cooling required.
 - Easy Integration.
 - FAA PMA.

- High Power Amplifier, Low Noise Amplifier and Diplexer (HLD) Features:
 - Small Size and low weight.
 - Powered through SBU – no power wires to HLD required.
 - No force cooling required.
 - FAA PMA.

- STC Data Package:
 - Letter of Authorization (LOA)
 - FAA STC Certificate
 - Master Data List (MDL)
 - Instructions for Continued Airworthiness (ICA)
 - Airplane Flight Manual Supplement (AFMS)
 - Weight and Balance Supplement
 - Electrical Load Analysis (ELA)
 - Wiring Diagrams
 - Structural/Installation Drawings