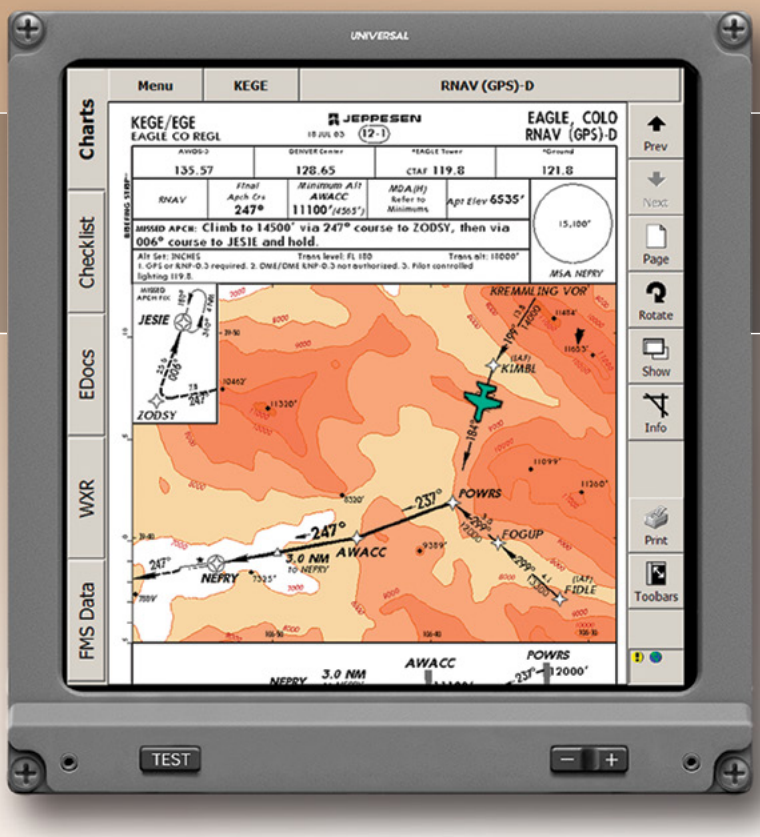
Integrated EFB with Own-Ship Position*
Electronic Charts Reduce Pilot Workload

ASU

Application Server Unit

Improves Safety and Situational Awareness
Enables Quicker Decision Making
More Efficient Flight Management



Class 3 EFB Solution Intelligently Speaks with Your Aircraft Systems

Designed to the highest standard of Electronic Flight Bag (EFB) certification requirements, the Application Server Unit (ASU) is a full-featured system providing benefits beyond those offered by other units. TSO'd as a Class 3 aircraft embedded avionics system, the ASU is installed in accordance with applicable airworthiness regulations to enable intelligent interface with the aircraft avionics systems, such as own-ship position.

The ASU literally places a wealth of information at the pilot's fingertips, with access to electronic aeronautical charts, checklists and E-DOCS. Features include a hide-toolbar function to maximize the display area, and multi operator-defined rotate and zoom levels to optimize readability.

The JeppView™ electronic chart database provided directly from Jeppesen is loaded into solid-state memory in the remote-mounted ASU, where it provides terminal charts (airport, departure, arrival and approach) and associated NOTAMs to the pilot's display. Departure and arrival airport information, available with a Universal Avionics Flight Management System (FMS), will conveniently and automatically prompt the display of the associated terminal charts. Manual searches are quickly accomplished through entry of airport name or ICAO identifier.

The aircraft present position (PPOS) or own-ship position, when available, is depicted with a green aircraft symbol overlay on geo-referenced approach and airport charts – the latter increasing situational awareness even while taxiing. Pilots can create their aircraft-specific procedural checklists for normal, abnormal and emergency situations. A five-level menu hierarchy is provided along with the ability to incorporate additional notes. Colors indicate the checked status of each item and the pilot is empowered with optimum control over individual items and full list status.

Documents such as flight manuals can be digitized and stored for convenient in-flight access with the PDF viewer.

Display is accomplished through the EFI-890R/890H 8.9 in. diagonal Advanced Flight Display flight deck mounted system. The EFI-890R/890H 780 x 780-pixel, high-resolution LED-backlit display interfaces with a standard dzus-width Cursor Control Panel (CCP) for operational control.

Supports:

- **Procedural Checklists** – User-created checklists with discrete inputs for check-off.
- **Electronic Documents** – Electronic Documents (E-DOCS) stored in the ASU for read-only display.
- **Present Position (PPOS)** – Available on all geo-referenced charts.
- **Broadcast Weather Graphics** – Supports broadcast weather graphics with PPOS (contact a Universal Avionics Regional Sales Manager for provider information).
- **External Video** – Standard and EVS cameras supported.

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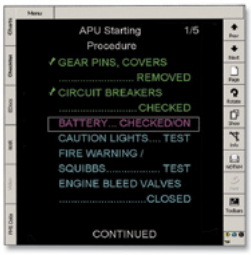


Checklists

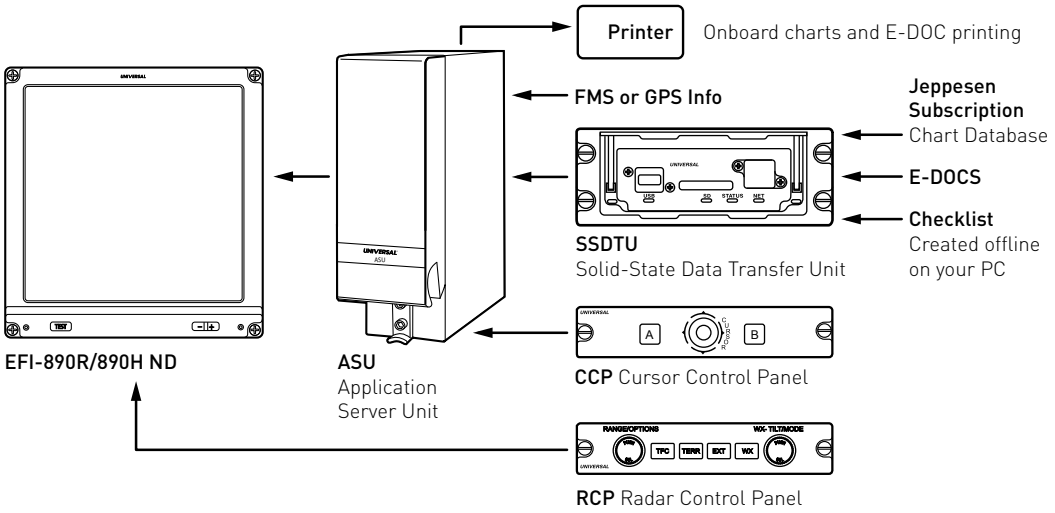
Weather

Airport Charts

Approach Charts

E-DOCS

System Architecture



Specifications

ASU (Computer)

Size: 2 MCU
Weight: 7.79 lbs.
Power Source: Aircraft power
Aircraft connectivity: Universal Avionics
FMS, other FMS
Inputs: ARINC 429
RS-232, RS-422, RS-485
RS-170 for Video (EVS camera)
NTSC (standard camera)

EFI-890R/EFI-890H

Bezel Size: 7.84 in. H x 7.42 in. W
Depth: 9.79 in. (back of bezel to rear of connector)
Weight: 10.4 lbs.
Image Size: 6.3 in. H x 6.3 in. W (8.9 in. diagonal)
Faceplate Color: Gray or Black

FAA TSO/ETSO

C109, C113, C153, C165

RTCA Documents

Hardware: DO-160D
Software: DO-178B Level C

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* Own-Ship position not available for installations approved under EASA guidelines.

Features and capabilities are representative of systems at time of printing. Please contact your Universal Avionics sales representative for the latest system enhancements.
Specifications contained herein are subject to change without notice.