

# t•Bag<sup>TM</sup> C2<sup>2</sup>

EFB Computer/Display System



**The Complete Electronic Flight Bag  
System for Commercial Aviation**

# t•Bag™ C2<sup>2</sup>

## Electronic Flight Bag System for Commercial Aviation



- Innovative System Design
- Wireless Connectivity
- Partnerships with Leading EFB Software Providers
- Extensive Supplemental Type Certifications (STC) Available Today

The benefits of using portable electronic computing devices have long been recognized by commercial operators. These devices perform a variety of functions traditionally accomplished using paper references. But price, unfortunately, has been a mitigating issue. Now with the t•BagC2<sup>2</sup>, an affordable EFB system is truly a reality that will let you realize those benefits.

navAero has developed an Electronic Flight Bag that is designed and suited for the professional flightdeck. Our baseline system is comprised of two adjustable displays (left seat/right seat) and two independent computer modules. The CPU's can be positioned and installed in virtually any available space as no special venting or airflow is required.

The navAero t•BagC2<sup>2</sup> EFB system is fully capable of hosting any Windows-based Typed A and Type B software application as defined by AC120-76A. navAero has developed its EFB system in close cooperation with major third-party EFB software providers to offer a fully capable hardware system designed for better value and efficiency. Some of the applications currently offered include • Document Browser • Performance Calculator • Electronic Terminal Charts • Video Surveillance • Electronic Logbook • Weight and Balance • eTech Log • General Operations Manuals • Minimum Equipment Lists • Real Time Satellite Weather.



Through a Teaming Agreement with Jeppesen, navAero can provide Class 1 / Class 2 EFB solutions to commercial airlines, government and military customers. For those operators who are seeking to transition to a paperless flightdeck, the combined Jeppesen EFB software and data with navAero's t•BagC2<sup>2</sup> EFB computer and display system brings the commercial aviation market a complete and integrated professional solution.

navAero systems also work with products and services from application and technology companies such as ARINC, WingSpeed, FlightExplorer, Ultramain as well as numerous other providers. Combined, they offer complete hardware and software solutions to fulfill the EFB needs of commercial operators worldwide.

# Designed for the cockpit as a Certified Class 2 Electronic Flight Bag

The t•BagC2<sup>2</sup> is an integrated Class 2 EFB system – a commercial off-the-shelf (COTS) computer and display system – for use in all critical phases of flight. The system's components are designed to be attached and connected to the aircraft for normal operation and use even though they are classified as a removable electronic device. By eliminating cumbersome paper for the ease of digital, commercial operators can reap the benefits of Electronic Flight Bag technology. Now, you can realize all the power and convenience of the most sophisticated EFB software applications available today...and those available for years to come.

## System Functionality

The navAero t•BagC2<sup>2</sup> can host the Windows XP Professional operating system to provide a very robust and reliable platform for use in all phases of flight. The CPU module features an Intel Pentium M 1.6GHz processor as standard. Higher speeds are available as an option. Storage is on a rugged hard drive or optional solid state drive.

The heart of the t•BagC2<sup>2</sup> is the "removable" CPU module...a robust computer to run virtually all available aviation software. The CPU module also contains the system's emergency battery back-up power pack and a self-regulating 28VDC power supply. With its unique slide-on attachment to the docking station/mounting plate, the CPU module can be quickly and easily removed and replaced as an LRU if necessary. This design also allows the ability to upgrade the CPU module in the future (as technology changes) without having to replace the entire installation.



## Designed for Connectivity

The t•BagC2<sup>2</sup> EFB system has been designed from the ground-up for maximum connectivity. It features an ARINC 429 four-channel receiver (optional) integrated directly into the CPU module for reading key data from the aircraft and automatically routing that information into specific EFB software applications.

Additionally, the system provides three USB 2.0 ports, three serial RS232/422 ports and four 10/100 Base T Ethernet ports. And for wireless ground communications connectivity, you can choose from various built-in modules for WLAN 802.11b/g, CDMA, UMTS/HSDPA (3G) or GPRS/EDGE.



# New—Choice of Displays with LED Illumination for Enhanced Sunlight Readability

For maximum flexibility, navAero offers a choice of displays for the t•BagC2<sup>2</sup> EFB system. Both displays feature passive and active display enhancements...passive includes anti-glare coatings; active features LED illumination for outstanding reliability and long MTBF. These features, coupled with resistive touch technology and aerospace quality LCD glass, result in EFB displays that provide exceptional performance in any aircraft lighting situation. And, ultra-wide 80° off-center viewing angles in all four axis provide increased mounting location options and outstanding quality of image resolution on the display throughout the pilots full range of motion.

## t•Pad™ 1500 Display



The t•Pad 1500 Display features an integrated LCD with resistive touch and LED backlighting using an LVDS interface for high resolution XGA (1024 × 768) graphics. Brightness is controlled by hard buttons allowing for illumination levels to be infinitely adjusted from 1000 NITS down to 0 NITS. A Standby button provides a one-touch control for an immediate blackout of the display and instant return to the previous illumination level. Connection of the t•Pad 1500 display to the CPU is through an Interface Unit which contains two USB 2.0 ports for connectivity.

The t•Pad NG Display features an integrated LCD with resistive touch, LED backlighting and utilizes Thin Client technology for the interface to any computer on the aircraft's network. The result is an XGA (1024 × 768) with outstanding graphic resolution. The Thin Client technology allows for virtually unlimited separation between the display and CPUs for even greater installation flexibility. Integrated USB 2.0 ports directly on the display provide convenient access points for data loading or a keyboard/mouse connection without an additional LRU. Brightness is controlled by hard buttons allowing for illumination levels to be infinitely adjusted from 1000 NITS down to 0 NITS. Assignable and illuminated bezel keys provide redundancy to the touch screen and a reliable method to operate the EFB in turbulence.

## t•Pad™ NG Display



9 West Hubbard Street  
5th Floor  
Chicago, IL 60610

tel 1 866 628 2376 (1 866 navAero)

Förrådsgatan 4  
856 33 Sundsvall  
Sweden

tel 46 60 66 41 00

[www.navaero.com](http://www.navaero.com)

