



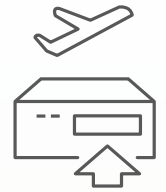
SferiRec® DTU & SSDC

Data Transfer Unit & Solid State Disc Carrier, the ruggedised transportation solution with storage from 10MB to 2TB.

- **Robust:** High reliable & low power consumption
- **Transfer:** Mission and maintenance data
- **Protected:** Secure file system

SferiRec®

DTU & SSSC



SferiRec DTU



SferiRec SSSC



SferiRec SSSC

Brief Description

A standardised digital Data Transfer (DTU) combines a portable Solid State Data Carrier (SSDC) as key element with easily expandable memory capacity and standardised SferiRec Data Transfer Unit for cockpit installation, which is ideally suited for installation in a broad range of rotary and fixed wing aircrafts with a minimum of installation provisions.

The DTU is a standardised unit for cockpit installation. Its illuminated front panel is equipped with an access door for insertion of portable SSSCs, which are used in various military aircraft programmes. Due to its standard data interfaces and processing power, the DTU can be integrated into various onboard avionic configurations serving as intelligent front end unit in a modern cockpit system. An intelligent, universal file handling system is implemented into the DTU providing flexible and comfortable data transfer and management.

The SSSCs are widely used as standard devices to transfer mission data/digital map data/libraries/photos/maintenance data from onboard system to ground support stations and vice versa. Military certification artifacts are available for several aircrafts like TORNADO, Tiger and NH90.

Key Features

- Transfer of Mission and Maintenance Data to Avionic Computers
- DTU Interfaces: min. 1 × MIL-STD-1553B, 4 × RS485 HDLC, 1 × RS422 FSL, 2 × Central Clear Interface, 4 × Discrete Interfaces, Other Data Interfaces, e.g. Ethernet, USB on Request
- Intelligent Universal File System for Data Transfer and Data Management
- Illuminated Front Panel with Access Door for Insertion of Portable Solid State Data Carrier Types (SSDC)
- Illuminated Front Panel with Night Vision Goggle Compatibility
- Portable Solid State Data Carrier Types (SSDC) available: 40 MB up to 2TB
- DTU with Standard Housing for Cockpit Installation, acc. to NFL 65-211, MS 25212, MIL-C-6781
- Low Mass: Only 2.2kg per system (One DTU + one SSSC)
- Low Power Consumption. 28 VDC, max. 20 Watt
- Small Dimensions: DTU – 233 × 146 × 76 mm; SSSC – 114 × 55 × 25 mm
- Fully qualified (MIL-STD 810E and 461C) and military flight certified

Customer's Benefits

- Minimum size, low mass, low power consumption
- Ideally suited for upgrade and retrofit programmes
- Standardised selectable data transfer interfaces
- Universal file handling system, high data transfer rates
- Robust and high reliable portable Solid State Data Carrier
- Qualified and flight certified equipments