

# DTS

## Data Transfer System

### Field-proven, rugged data solution

- Proven solution with over 350 systems fielded
- Enhanced data protection with ruggedized memory
- High MTBF to reduced maintenance cost
- Portable, color-coded and modular memory units simplify data exchange and identification
- Protect mission-critical data with encryption



Data Transfer System (DTS)

**Mercury's Data Transfer System (DTS)** is a field-proven, secure, modular, rugged data transfer system that simplifies data transfer between air and ground platforms.

#### 500 Mbps transfer speeds

The unit contains four gigabit Ethernet ports that operate at 500 Mbps per channel.

#### Portable, easily identifiable memory

The unit uses three independent Removable Memory Units (RMU) for data storage with a capacity of 256 GB each. RMUs can be transport pre- and post-mission information to streamline data exchange for mission planning, maintenance ground stations and airborne platforms. They can be inserted into any slot to simplify maintenance, as built-in intelligent software routes data to appropriate channels. RMUs come in three distinct colors for ease of recognition according to function.

#### Functions on the ground or during flight to:

- Upload mission and map data
- Record in-flight mission data
- Record maintenance

#### Protect data with data zeroization

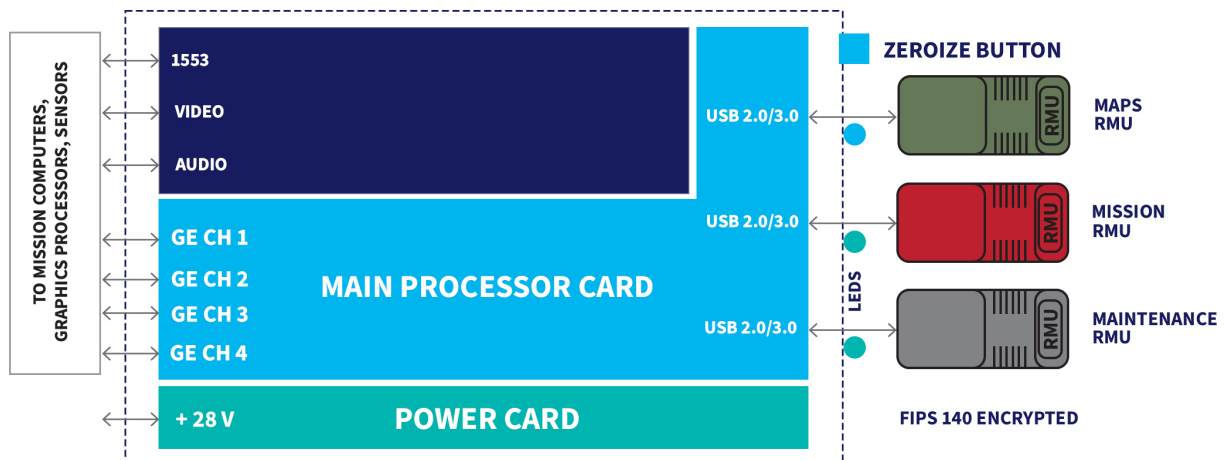
The DTU can sanitize all RMUs and internal nonvolatile memory to ensure data stays protected. Its Built-in-Test (BIT) capability isolates and detects 95% of internal failures through SBIT/PBIT/IBIT/MBIT functions. It operates on 28 V batteries and uses less than 40 W of power.



Color-coded RMU's allow for quick function identification (available depending on customer use requirements)

**FEATURES**

- Three independent 256 GB Removable Memory Units (500 Mbps throughput)
- FIPS 140-2 encryption capability
- Support built-in-test functions: power, initiated, continuous and maintenance
- Network File System (NFS) supports rapid and independent access to removable memory media
- Four Gigabit Ethernet ports operate at an aggregated throughput of 2.0 Gbps system
- Manual or software controlled erase/zeroization function
- Removable Memory Unit (RMU) of 256 GBytes each with foolproof seal against environmental exposure, compliant with MIL-STD-1472
- Qualified per MIL-STD-810 environments
- DTS dimensions: 9" x 5" x 3"
- RMU (up to 3 total) dimensions: 2.5" x 1.0" x 0.69"
- Weight: 6.3 lbs (with three RSMs installed) 5.8 lbs (without RSMs installed)
- Power consumption: <40 W
- MTBF: >13,000 hours (predicted) for inhabited ARW environments
- DTS interfaces: +28 Vdc DTS power input Zeroize/erase (manual operation) Up to three RMU interfaces: USB3 1000Base-T Gigabit Ethernet ports



**Corporate Headquarters**

50 Minuteman Road  
 Andover, MA 01810 USA  
 +1 978.967.1401 tel  
 +1 866.627.6951 tel  
 +1 978.256.3599 fax

**International Headquarters**

**Mercury International**  
 Avenue Eugène-Lance, 38  
 PO Box 584  
 CH-1212 Grand-Lancy 1  
 Geneva, Switzerland  
 +41 22 884 51 00 tel

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[mercy.com/contact-us](http://mercy.com/contact-us)



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