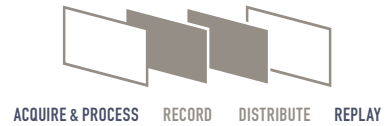
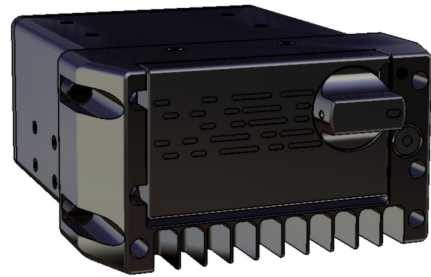


DATA SYSTEMS



NS1310

Airborne Mission Data Server / Storage Unit



 MISSION DATA MANAGEMENT

ENERTEC

The NS1310 is a **Data Server/Storage Unit** packaged in a rugged compact chassis, capable of operating as **Network Attached Storage** Unit in an **airborne environment**, using on a **Removable Memory Module (RMM)**.

Safran Data Systems offers Embedded Information Management Solutions in a variety of rugged, versatile, scalable equipment and associated services, providing efficient, reliable, and affordable resources for **field/mission data acquisition, processing, storage and dissemination**, for **on board operations manned or unmanned ground, air and sea vehicles**.



Pilot Training & Debriefing



ISR, Search & Rescue



Mission Data Loading & Data Transfer

MULTI-PROTOCOL GIGE INTERFACE
FTP, NFS, SMB/CIFS, HTTP

EASY SET-UP
User-defined media partitioning

DIRECT ACCESS FROM PC
Windows®, Linux

HIGH CAPACITY RUGGED REMOVABLE CARTRIDGE
64GB to 2TB

QUALIFIED FOR HARSH ENVIRONMENT
DO-160, MIL-STD-704, -461, -810

DESIGNED TO MINIMIZE OBSOLES-CENCE RISK AND MANAGEMENT
FPGA-based design

NS1310

TECHNICAL SPECIFICATIONS

General characteristics

Dimensions H 76 x W 146 x D 171 mm (2.99" x 5.75" x 6.73")

Weight < 2kg (4.4lbs)

Installation

Standard NATO rail mounting using DZUS fasteners

ARINC 404-type mounting

Interconnection MIL-DTL-38999 series 3

Power Supply 28 V DC

Consumption Typical 15 W

Cooling Conduction (no fan)

Interface

2 x GigEthernet ports (1000BaseT), for server access

up to 800 Mbps data rate on one Ethernet link,

or 2 x 640 Mbps on two Ethernet links

IPV4 and IPV6 capable

Time update using NTP

RS-422A port

One user-configurable, bidirectional RS-422A serial port, for Remote control, per IRIG 106 chapter 6 or GPS/NMEA 0183 input, for extraction of current time and time stamping of stored data

Discrete I/O 6 inputs and 2 outputs, all configurable

Environmental conditions

Qualified to DO-160, MIL-STD-704, MIL-STD-461, MIL-STD-810

Operating temperature -40°C to +71°C

REMOVABLE MEMORY MODULE

- ▶ Storage Capacity from 64GB to 2TB
- ▶ User-defined media partitioning
- ▶ Interface USB 3.0 + SATA via adapter
- ▶ 10,000 insertions/extractions
- ▶ Encryption capabilities AES 256, FIPS 140-2
- ▶ Fast secure erase
- ▶ Direct access from Windows® PC and Linux



OPERATION

Network File/Data Transfer protocols

FTP

NFS

SMB/CIFS

HTTP File Server

File System

FAT32 / EXT3 / EXT4 / NTFS

Built-in web server, accessible via Ethernet, providing

Remote control capability, with access to whole set of commands, status and set-up configuration

Stored data download capability

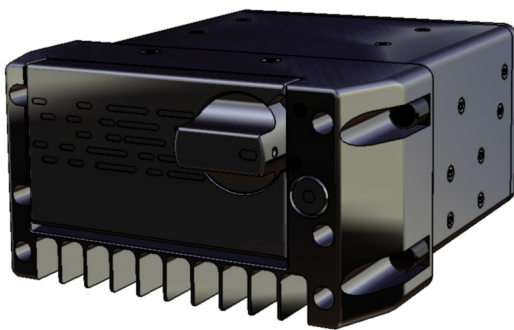
Comprehensive Built-in Test capability

Ground RMM Access

Direct connection of SC145 Series Removable Memory Module to host PC using Safran Data Systems-supplied eSATA or USB cable

Data download performance exceeding 100MBps

Access to media content: standard file system/disk format



GLOBAL SALES

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