

## Airborne Network Flight Recorder



### Applications

- Airborne networked recording
- High speed airborne recording

### Features

- Intelligent, network-based IP flight recorder
- High-speed data recording:
  - nREC-4000S-1**
    - Up to 20 MBps data recording rate
    - Two 100BASE-T Ethernet interfaces for data
  - nREC-4000S-2**
    - Up to 200 MBps data recording rate
    - Two Gigabit Ethernet interfaces for data
- Integrates one media storage cartridge
  - Capacities up to 128 GB of solid-state memory
- Processor-based recorder
  - Reporting of recorder statistics, including performance and storage remaining
  - Real-time health monitoring
  - Support for Simple Network Management Protocol (SNMP)
- Supports IEEE 1588 time protocol
- IRIG AC/DC time input
- IRIG DC time output
- 1PPS output
- 100/1000BASE-T Ethernet download port
- Serial RS-232/422 console port
- General purpose input/output
- Ruggedized for airborne applications
- 22 to 36VDC power supply to support operation from standard aircraft power
- Compatible with TTC's network-based acquisition systems

### Description

The nREC-4000S-X airborne networked recorder is based on TTC's popular SMS-4000 recorder unit. The unit records data from a network-based data acquisition system. The recorder houses a data cartridge, which can record data from a network of high-speed data acquisition and multiplexing units. The recorder has built-in intelligence enabling it to provide recorder statistics and continuous health monitoring. The unit supports Simple Network Management Protocol (SNMP) and is configured via the network.

Revision 10/04/2010

### nREC-4000S-X Datasheet

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Teletronics Technology Corporation  
15 Terry Drive, Newtown, PA 18940  
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

**www.ttcdas.com**