Western Avionics

Configurable Databus Solutions

MODEL 1U11071G01

Expandable Data Recorder

- *Self-Contained 19" 4U System*
- *Rear Inputs for 1553 and IRIG*
- *8" TFT SVGA Display, (800x600)*
- *Lockable Front Door*
- *Protected drives, power, and reset*
- *VGA, USB, Serial & LAN on Front*
- *Selectable Shuttle Bus Decoding*
- *Automatic Bus Error Detection*
- *Fast Search & Review of Data*
- *Unlimited Storage*
- *Front Panel Connections*
- *IRIG B Time Synchronization*

CONTACT:
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The 1U11071G01 Data Recorder is a Pentium M based 4U height workstation with 8" TFT high brightness LCD display. It features an integral 88-key keyboard drawer and touchpad for high reliability and easy operation. Its heavy-duty construction is designed for continuous operating environments. It is equipped with removable rack-mount flanges and handles for rack or bench-top use. It has a wide range of instrumentation and monitoring applications where an integrated solution is preferred.

Western Avionics Ltd., 13/14 Shannon Free Zone, Shannon, Co.Clare, IRELAND
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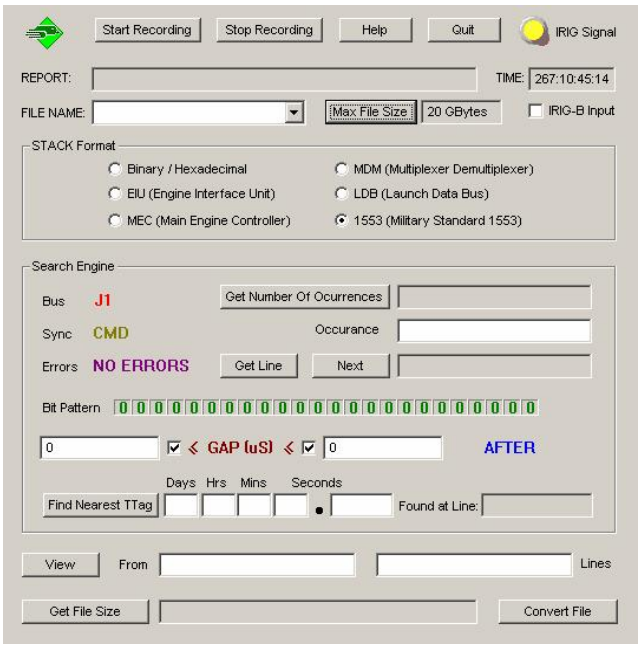
MODEL 1U11071G01 SPECIFICATIONS

The 1553 Mass Data Recorder (MDR) is a self contained recording system capable of continuously monitoring data activity, simultaneously, on up to four 1553 buses and storing the data for archival analysis and review. Simple controls facilitate quick starting and stopping of the recorder process, selection of archival file size and indication that bus data is being recorded is provided. The MDR may be connected directly to the 1553 buses. There is no requirement for special signal conditioning. All bus messages are sequentially numbered and time stamped. This time-stamp can be derived from an internal programmable clock or synchronized from an external IRIG-B time signal.

The MDR saves all bus traffic to internal RAM and then dynamically offloads the data to a large capacity non-volatile storage media. The MDR also performs internal analysis and identifies all bus error conditions such as Parity, Manchester, Wrong Bus etc. Stored data files may be reviewed locally on the MDR and archived or copied.

Data files can be distributed via standard network or email methods. The electronic format of the files allows for fast retrieval, search and sort capabilities not available on magnetic tape systems. Review of stored data files may be performed locally on the MDR, or an included utility application facilitates review and analysis of the recorded data files on Windows based PC's. Critical information such as Bus identification, Message types and data are displayed. All bus errors, associated with each message are clearly indicated.



Bus Recording Mode	Full capture and storage of all 1553 bus activity on up to 4 buses.
Signal Inputs (up to 4 buses)	Primary and Secondary Buses
Time Synchronization Input	IRIG-B
Message Time Stamp	Days:Hours:Minutes:Seconds:Ticks (Each tick is 0.5us)
File Size	Up to 400Gbytes
Error Detection	Full 1553 bus message error detection (Parity, Manchester etc.)
Data Analysis Mode	1553 format or plain hexadecimal.

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Specifications subject to change without notice

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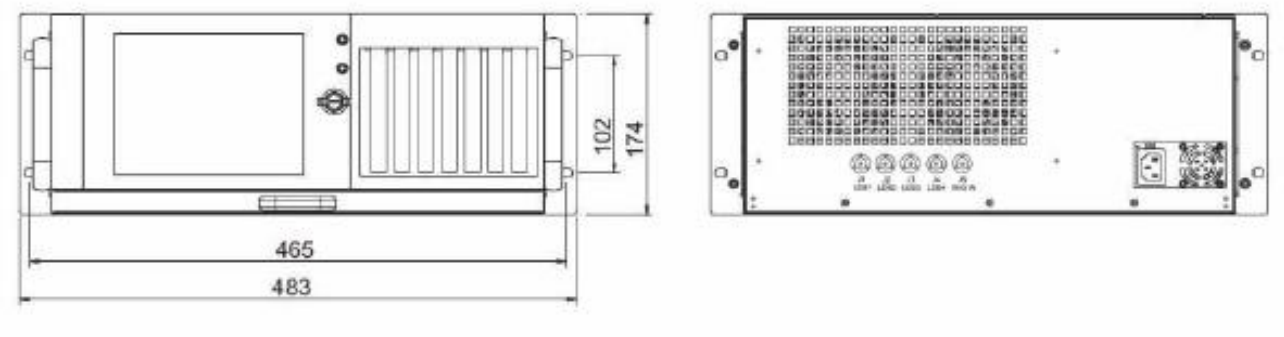

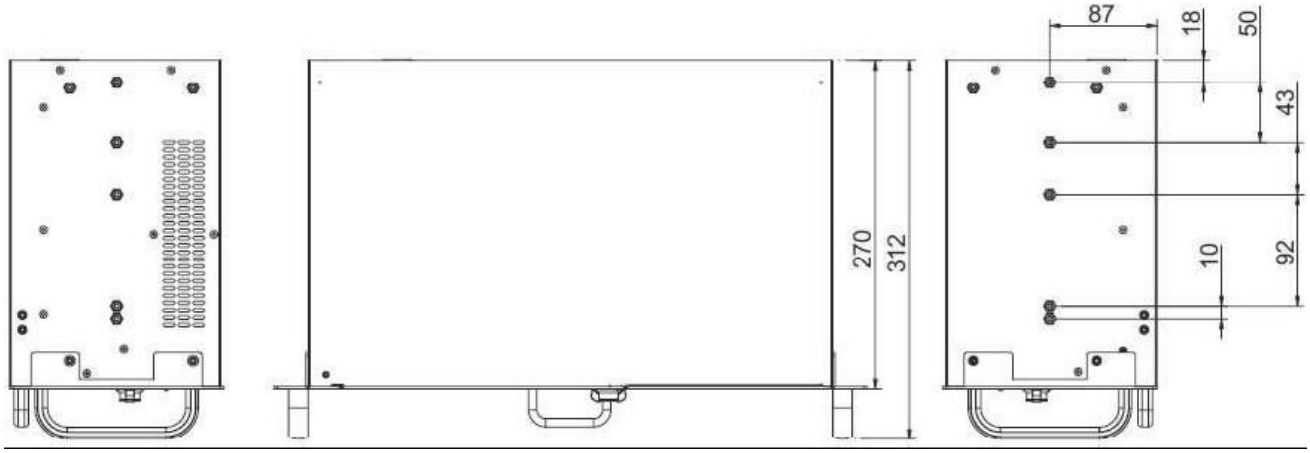

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