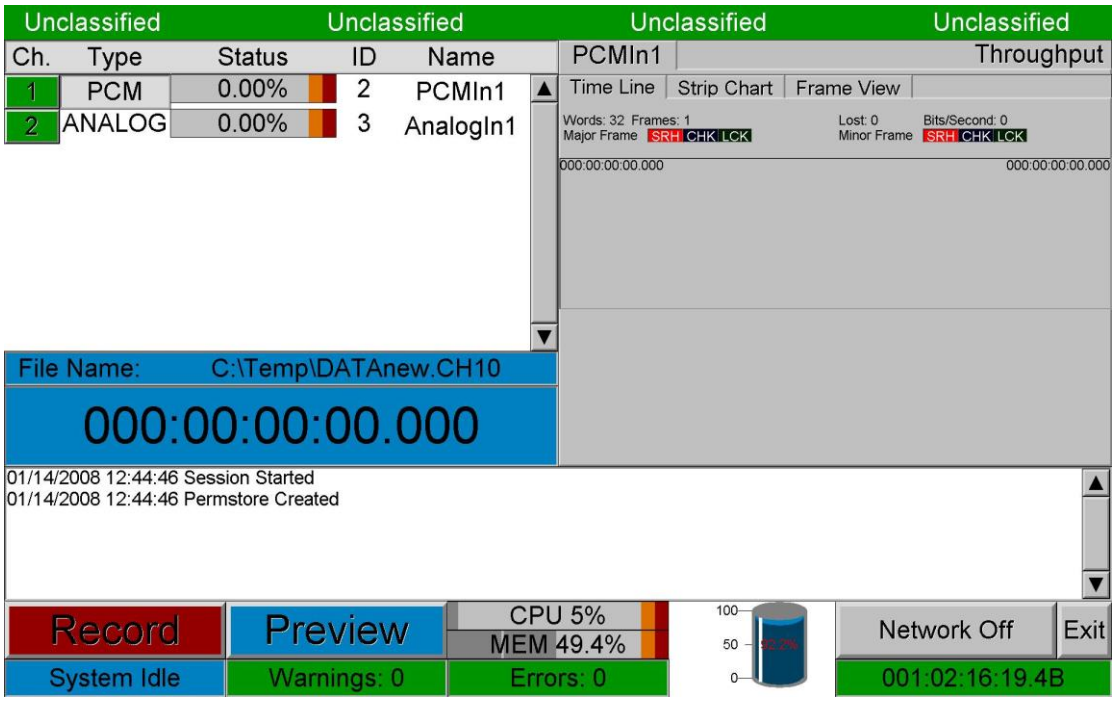
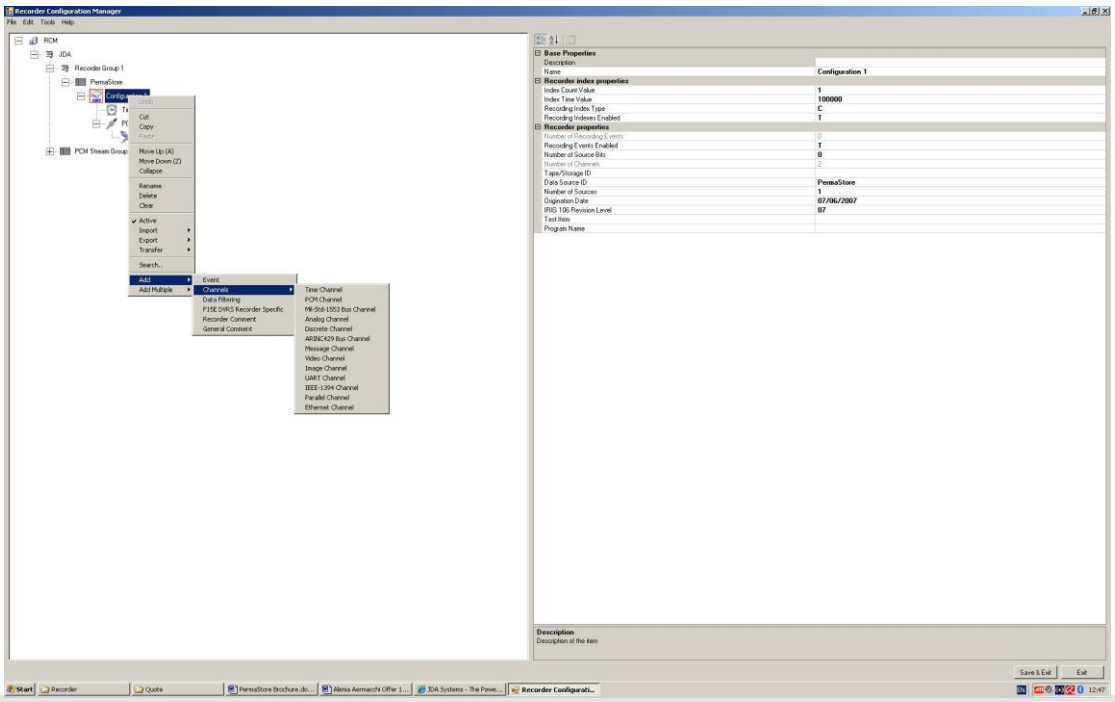
JDA Systems



JDA-PS2 Permastore Recorder



For more details contact your local agent or contact JDA Systems directly:
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Tel: +49-4928-91560 Fax: +49-4928-915620
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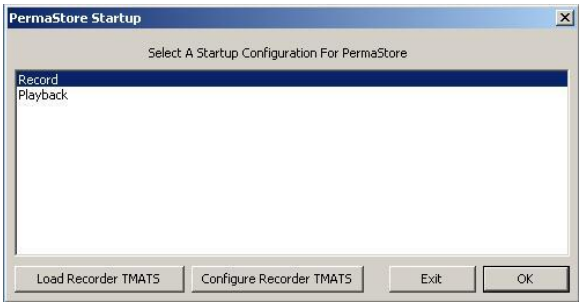
Product Highlights:

• Up to 1.5 gigabit per second sustained data transfer rate
• Up to 16 terabytes of storage in modular increments
• Network and serial .DOT user equipment interfaces
• Full IRIG 106 Chapter 10 support
• Full-duplex user equipment data ports support simultaneous read and write
• Automatic error monitoring and correction
• Optional multiple-channel input multiplexer for PCM, ANALOG, VIDEO, ARINC429, MIL-STD-1553B, DISCRETE, UART, IEEE-1394, PARALLEL and ETHERNET
• Options for both recording and reproduction
• Extensive built-in-test, diagnostic and status reporting software

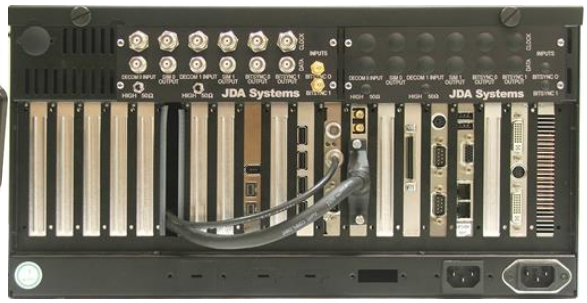
Designed to the highest standards and supported by the established software leader in the IRIG106 Chapter 10 market John Douglas Associates are proud to introduce the Permastore recorder.

The Permastore recorder is designed to replace the use of magnetic tape in instrumentation data recording, which are often precluded from use due to harsh environmental conditions or limited bandwidth. It overcomes the limitations associated with magnetic recording technology in both the laboratory and flight environment with its modular storage design.



In the laboratory low cost disk media may be used in the modular storage slot and in the air non-volatile flash memory. Sustained data rates in excess of 1.5 gigabits per second are available with capacities up to 16 Terabytes (depending on storage media), the PermaStore shows the future of the instrumentation data recorder.

The laboratory unit is a 19 inch rack mount compatible chassis, its full aluminum anodized chassis featuring extruded panel covers, integrated front panel status display and quiet operation make the unit a pleasure to use.



Power modules are available for use with AC or DC power sources. Standard power modules units are universal 100 to 240 VAC with 50 to 60 Hz , 115VAC/400Hz and 28VDC.

The Permastore can record and reproduce any combination of available channel types that with a maximum of 14 available hardware interface slots.

RECORDER SPECIFICATIONS

Data and File Type	***IRIG106 Chapter 10***
TMATS Compatibility	***All Compatible Manufacturers***
RMM Type	***Removable RMM Disk***
Transfer Speed	***Maximum 1.5 gigabits per second***
Record Capacity	***Maximum 16 Terabytes in modular increments***
Remote Control	***Standard IRIG DOT interface and network remote***
Data Reconstruction	***Available replay modules for real time reconstruction of any combination of recorded channels (timing accuracy card and data type dependant).***
Available Input Types	***PCM, ANALOG, VIDEO, ARINC429, MIL-STD-1553B, DISCRETE, UART, IEEE-1394, PARALLEL and ETHERNET***
Optional Drive	***Tape (AIT2, 40 Mbit/s, 50 GB or AIT3, 80 Mbit/s, 100 GB)***

ENVIRONMENTAL SPECIFICATIONS

Temperature	***-20° C to 60° C***
Relative Humidity	***100% non condensing***
RMM Type	***Removable RMM Disk***
Shock & Vibration	***Designed to MIL-E-16400***
Weight Approximate	***18 Kg***
Power Requirement	***Approx.220 W***
Voltage/Frequency	***100 to 240 VAC, 50 or 60 Hz***
Size Approx	***483 x 212 x 410 mm (WxHxD)***