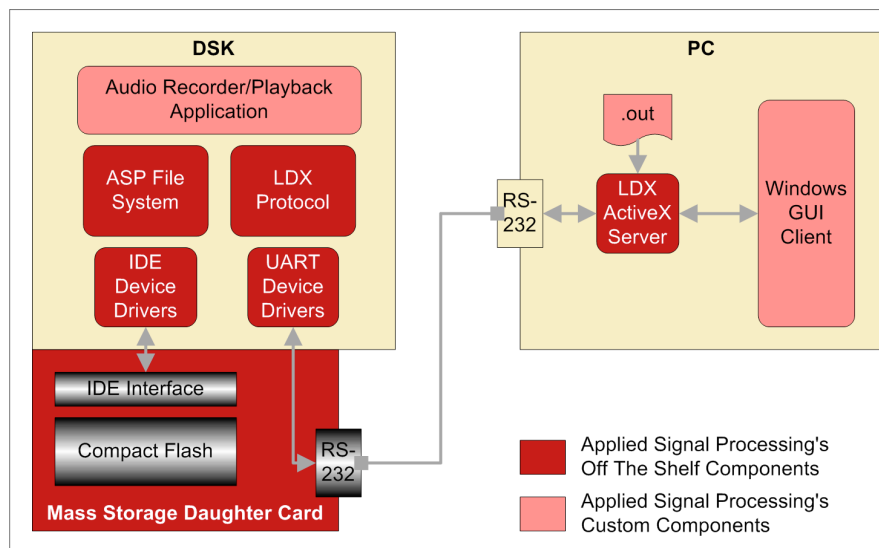


APPLICATION EXAMPLE DIRECT TO DISK AUDIO RECORDER

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RECORD AUDIO DIRECTLY TO HARD DRIVE OR COMPACT FLASH.

In this application example, Applied Signal Processing has developed an IDE "direct to disk" audio recorder created from off the shelf components available from Texas Instruments and Applied Signal Processing. The recorder can simultaneously playback and record data in WAVE file format to a compact flash device at a sample rate of 44.1 KHz. The solution uses a Texas Instruments TMS3206713™ DSK, Applied Signal Processing's Mass Storage Daughter Card and Applied Signal Processing's FAT32 Secure Digital/Compact Flash/Hard Drive Interface Framework.



Applied Signal Processing's Direct To Disk Recorder.

TALK TO YOUR TARGET™

This stand alone solution uses the IDE daughter card's available RS-232 serial port with Applied Signal Processing's Live Data Exchange (LDX™) serial protocol and ActiveX™ server to allow a PC user running a windows based GUI to control and query the data recorder without the use of an emulator.

COMPONENTS

- The SD/CF/HD Framework includes a Reference Hardware Design, a FAT32 compatible File System and example applications. The SD/CF/HD Framework is a useful component for applications that need features such as audio streaming, data acquisition, or flexible system reconfiguration options.
- LDX includes an ActiveX Automation Server, Device Drivers and a Matlab Toolbox which allows communication to a DSP Target via Matlab.

PLATFORMS

- The SD/CF/HD Framework is available for C28x, C55x, C64x and C67x platforms.
- LDX is available for C28x, C54x, C55x, C64x and C67x platforms.
- Other platforms: Please contact us about customizing any of our products to meet your specific needs.

FLEXIBLE PROVEN DESIGN

Customers have used our CF/HD Framework and LDX in several products including one application which we developed that records weeks of audio data directly to Hard Disk. Applied Signal Processing can provide application development, device driver support, and customization options to exactly match your needs, making sure your product is a success!

ABOUT APPLIED SIGNAL PROCESSING, INC.

Applied Signal Processing, located near Madison WI, provides custom engineered solutions, reference designs, and contract engineering services for Digital Signal Processing and Embedded Systems. We are able to help our customers in all phases of the product lifecycle from concept to production and we specialize in quickly bringing ideas to the feasibility and prototype stage.