



## Ether to Ethernet Network Ready Sub-systems

### 16 Channel Digital IF Processor with 50MHz bandwidth for demanding applications

**Washington DC Oct. 28, 2008:** D-TA Systems Inc., a sensor interface solutions company, will be showcasing the multi channel synchronized Reconfigurable Digital IF Processor (DTA-2300) at the annual International Software Radio Conference. D-TA's "**Ether to Ethernet**" network ready sub-systems are designed for precision, performance and speed.

Integrated in a robust 1U rack-mountable chassis, DTA-2300 is a 10GbE based multi-channel IF digitization and arbitrary waveform generation sub-system. DTA-2300 offers a plug and play solution and requires little or no software development resulting in significant cost savings for demanding applications such as Software Radio, MIMO Radio, Direction Finding, Phased Array Radar, Sonobuoy and Communications applications.

DTA-2300 features up to sixteen 160 MSPS ADC (with 16-bit precision) and up to sixteen 500 MSPS DAC (with 16-bit precision) input and output channels with bandwidths in excess of 50 MHz each. The DTA-2300 offers independently programmable delay lines on the ADC and the DAC sampling clocks. The delay is programmable in 10ps steps, which allows for phase adjustment and calibration of front-end equipment for precise synchronization. Multiple units can be easily synchronized for achieving higher channel count.

"DTA-2300 is a world class solution for solving demanding multi-channel sensor processing problems immediately. This fully integrated 10GbE based IF sub-system seamlessly connects D-TA's RF front end (or other RF front ends) to a signal processing computer, providing the best performance and precision." said Angsuman Rudra, CEO, D-TA Systems Inc.

DTA-2300 has four large data FPGAs and four fully duplex 10 GbE network interfaces for high-speed data transfer. The 10 GbE interfaces are capable of handling the raw ADC and DAC data rate in a point-to-point connection. A separate Master FPGA implements the control and synchronization functions. "The DTA-2300 architecture allows ease of upgrade, enormous cost savings and easy tailoring for specific user requirements" said Pier Bortot, CTO, D-TA Systems Inc.

D-TA Systems has created a wide array of radio products that are unmatched in precision, performance and speed. D-TA product offerings also include a 10GbE recorder for storage and playback of high bandwidth sensor data. **Nothing else comes close!**

**About D-TA Systems Inc. [www.d-ta.com](http://www.d-ta.com)**

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