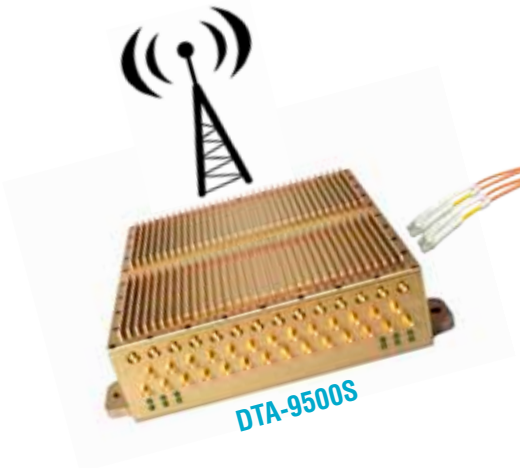
# From antenna straight to recording at over 3.6 GBytes/s sustained rate.




4 X 10 GbE
Optical
Networks

2 X DTA-5000 Record / Playback Systems
(that can be placed almost 1 km away)

(6U high and over 19.2 TB storage)

**DTA-9500S** is a compact conduction-cooled system with a 12 bit, 3.6 GHz ADC and an optional 12-bit, 4 GHz DAC. It includes four (4) 10 Gigabit optical networks for real-time processing or recording using server class computers.

DTA-9500S also includes two Virtex 6 FPGAs, optional FPGA DDC & FFT cores and Multi-core Software Development Kit (SDK) to facilitate application development.

The DTA-9500 also supports two channel operation at up to 1.8 GSPS rate. A comprehensive RF front-end for each channel with programmable gain & filtering (including custom filtering option), programmable sample clock generation, facility for multi-unit synchronization and provision for an optional on-board GPS receiver make DTA-9500 the ideal choice for Radar, ELINT, Communications and other ultra wideband applications.

D-TA offers record and playback solution that supports output rate over 3.6 GBytes/s by using all four 10 GbE networks and two DTA-5000 RAID systems.

A 19” rack-mount version, DTA-9500AC includes two synchronised 3.6 GSPS ADC channels (or four 1.8 GSPS ADC channels) and up to 8 optical fibers (networks) in a 1U enclosure (air-cooled). Using 4 DTA-5000 units, data can be recorded in real-time at over 7.2 GBytes/s rate.

**Download Tech Notes TN-30 to TN-33 for more information**

DTA
D-TA SYSTEMS INC.
*A Sensor Interface and Processing Company*

Download the full product catalogue:

**www.d-ta.com**

sales@d-ta.com 1-877-382-3222

DTA
10 GIGABIT
SENSOR
PROCESSING
FAST • SCALABLE • SYNCHRONIZED

SENSOR PROCESSORS THAT DRASTICALLY REDUCE DEPLOYMENT TIME AND COST