



ICS Aero
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NEW!

Data Tap 10 ASCB-D

TX-RX NIC Replacement



- USB Powered
- Compatible with ICS FlightLine Data Bus Reader Software.
- Can be used as an ASCB-D bus reader on your laptop platform
- The latest in ICS Hardware based ASCB-D technology
- Available in RX Only and TX / RX versions

- USB Powered ASCB-D Bus Decoding and Conversion to UDP Ethernet.
- Optional transmission on 4 buses when required.
- NIC, NIC PDD, Proc and Proc PDD functions all performed onboard DataTap 10 unit.
- Boots up Converting and/or Recording depending on BOOT time system.cfg file.
- Record two full ASCB-D buses to Laptop Drives via FlightLine SW at 7.1Gbytes / Hour
- Convert over 1000 parameters to engineering units for UDP transmission in real-time
- Optional support for Dassault DIANE format UDP output.
- Remote Operation and Administration through TELNET interface.
- File Upload / Download through FTP interface, or μSDHC memory cards.
- Supports 1000BaseT, 100BaseT and 10BaseT Ethernet
- Built In IRIG-B time decoder for time synchronization. (free runs in absence of time code)
- Optional 9-36 VDC Aircraft Powered <5 Watts power consumption
- Passively Cooled. No moving parts, -40°C to +85°C
- Weight: <1 lb in standard configuration
- 138 mm L x 80mm W x 48 mm H
- Dual onboard processors.



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The DataTap 10 is actually a hand held replacement for a Honeywell TIU Server with dual PCI-NICs. At this time, the TIU Client Software cannot connect to the DataTap 10, but ICS is presently adding TX functionality to our FlightLine Reader Software for support of the DataTap 10's optional TX functionality

- The DataTap 10 can record entire ASCB-D bus over 65000 parameters in real-time to host Disk Drive over Ethernet
- DataTap 10 design is done entirely in embedded hardware / software. Most processing is done in a XILINX FPGA device implemented in VHDL.
- The majority of the ASCB-D data processing is done in real-time in hardware using Finite State Machines to process the data. This removes the burden from the on-board CPUs and allows for a larger number of parameters to be processed at a lower power consumption and without loading down the Host platform.
- No Operator intervention necessary, but monitor is available via TELENT session over Ethernet.



LAPTOP shown for illustrative purposes only. Not included with DataTap 10 unit. The DataTap 10 with our FlightLine bus reader software on your laptop and you have a small lightweight ASCB-D Bus Reader / Recorded without the hassles of an additional Laptop platform as in our prior FlightLine Bus Readers.



Uses Same pin-out and connectors as older PCI-NICs for compatibility with existing wiring

For inquires please contact:



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