

**NEW!**

## $\mu$ TIS ASCB-D

### Acquisition / Recording Interface System

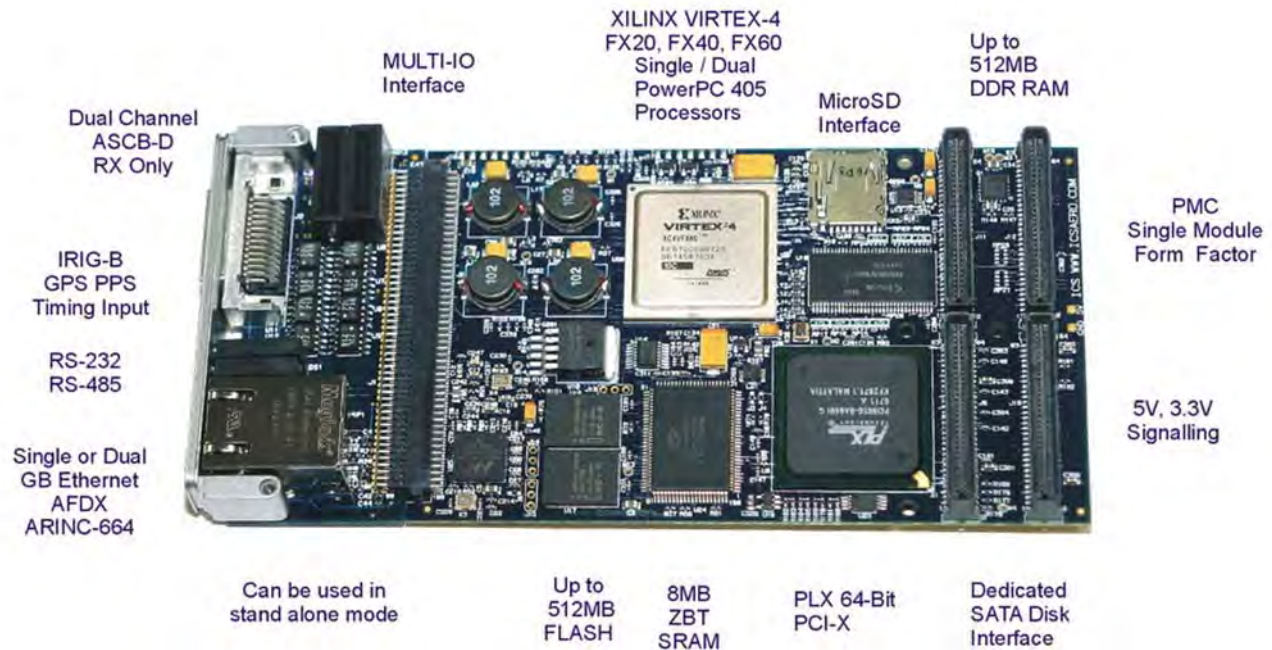
[www.icsaero.com](http://www.icsaero.com)



- In Service Now
- Compatible with ICS FlightLine Data Bus Readers
- The latest in ICS TIS technology
- Data Sets can be played back on Honeywell TIU software
- Data Sets can be converted to CSV files via ICS written software.

- ASCB-D Bus Recording and Conversion to UDP Ethernet in Engineering Units.
- Boots in approximately 10 seconds depending on number of parameters.
- Boots up Converting and/or Recording depending on BOOT time system.cfg file.
- Record two full ASCB-D buses to Internal Solid State Drives up to 128 GB (19 hours)
- Optional Recording to removable 128 GB Compact Flash
- No more External DataTap BIA Adaptors required.
- Convert over 2000 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, Removable CF or  $\mu$ SDHC cards.
- Supports 1000BaseT, 100BaseT and 10BaseT Ethernet
- Built In IRIG-B time decoder for time synchronization. (free runs in absence if time code)
- 9-36 VDC Aircraft Powered 10-12 Watts power consumption
- Passively Cooled. No moving parts, -40°C to +85°C
- Weight: 1 Kg in standard configuration
- 192 mm L x 92mm W x 71mm H
- Dual 300 MHz Power-PC processors.

# $\mu$ TIS ASCB-D Acquisition / Recording Interface System



$\mu$ TIS is based on ICS PMC825 I/O Processing Engine. This is a high performance I/O processing engine designed specifically for aircraft data bus conversion and acquisition.

- The  $\mu$ TIS can record entire ASCB-D bus over 65000 parameters in real-time to internal 128GB Solid State Disk Drive
- $\mu$ TIS 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.
- No Operator intervention necessary, but monitor is available via TELENT session over Ethernet.

For inquires please contact:



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