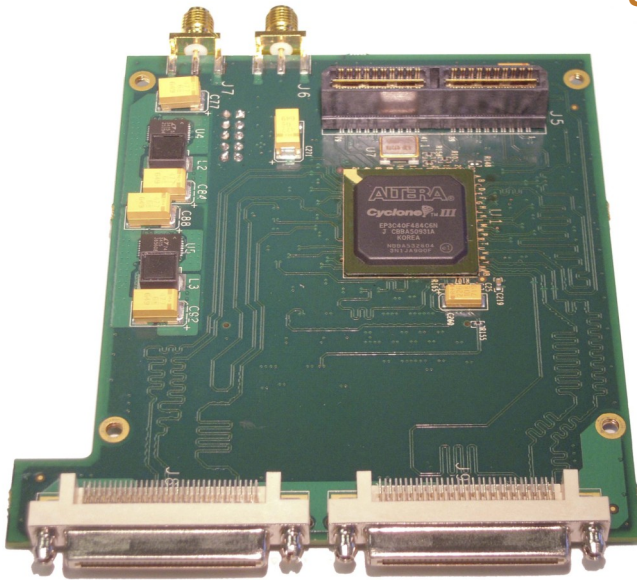


## **StreamStor® LVDS Mezzanine Board**



- **16 (2) or 32 bit Low Voltage Differential Signal (LVDS) interface**
- **Sustained recording up to 600 MB/s (32 bit configuration)**
- **Full data flow control**
- **Clock speeds up to 200 MHz**
- **16 bit record and 16 bit playback with optional 32 bit record or 32 bit playback versions**
- **Direct data interface to StreamStor® recorders**
- **Field upgradable/customizable hardware**
- **Compatible with LTX2, Amazon, Amazon Express StreamStor controllers**

The StreamStor® LVDS mezzanine board can be used with compatible StreamStor® controllers to provide a direct data port for low voltage differential signal (LVDS) data. When combined with a StreamStor® controller such as Amazon or Amazon Express this interface provides recording or playback rates up to 600 MB/s.

With 16 bits of recording and 16 bits of playback data and a clock speed of up to 200 MHz, the LVDS provides a flexible port for connection to external devices driving LVDS data signals. The LVDS mezzanine board uses two high density Samtec cables/connectors for the incoming data and outgoing data, clock and flow control signals. This provides a reliable connection and cable interface capable of supporting lengths varying from 2 meters at 200 MHz to several meters at lower frequencies to external devices.

The LVDS interface is implemented using an Altera FPGA to provide a flexible platform that allows customizing to customer specifications. The default implementation provides a 16 bit input connector with clock and flow control signals and a separate 16 bit output connector with clock and flow control. These separate interfaces allow record and/or playback of LVDS data for various applications such as RF signal generation, A/D recording, video recording, etc.

The LVDS mezzanine board can be optionally configured for 32 bit recording or playback. Contact your Conduant sales representative for more information.

Specifications	
Signal standard	TIA/EIA-644 (LVDS)
Data bus	Up to 32 bits (64 pairs)
Data clock	20-200MHz
Connectors	2 x 16X Samtec VRDPC-68-01-M-RA1 or equivalent
Cable length	Maximum 2m (78")
StreamStor Compatibility	SSDB2 Interface: LTX2, LTX2-35, Amazon, Amazon Express

## Warranty

Conduant hardware products are backed by a limited one year warranty. All software includes a 90 day warranty. Software Maintenance and priority support is available on a yearly subscription basis. Please contact your Conduant sales representative for more details.

## Customer Support

Customer support is provided through a comprehensive web portal at [www.conduant.com/support](http://www.conduant.com/support). Private logins and trouble ticket management are provided along with technical downloads, knowledge base and other support tools.

## Ordering Information

LVDS 16 bit Record/Playback Mezzanine Board..... Part number: 400300034  
 LVDS 32 bit Record Mezzanine Board..... Part number: 400300055  
 LVDS 32 bit Playback Mezzanine Board..... Part number: 400300056