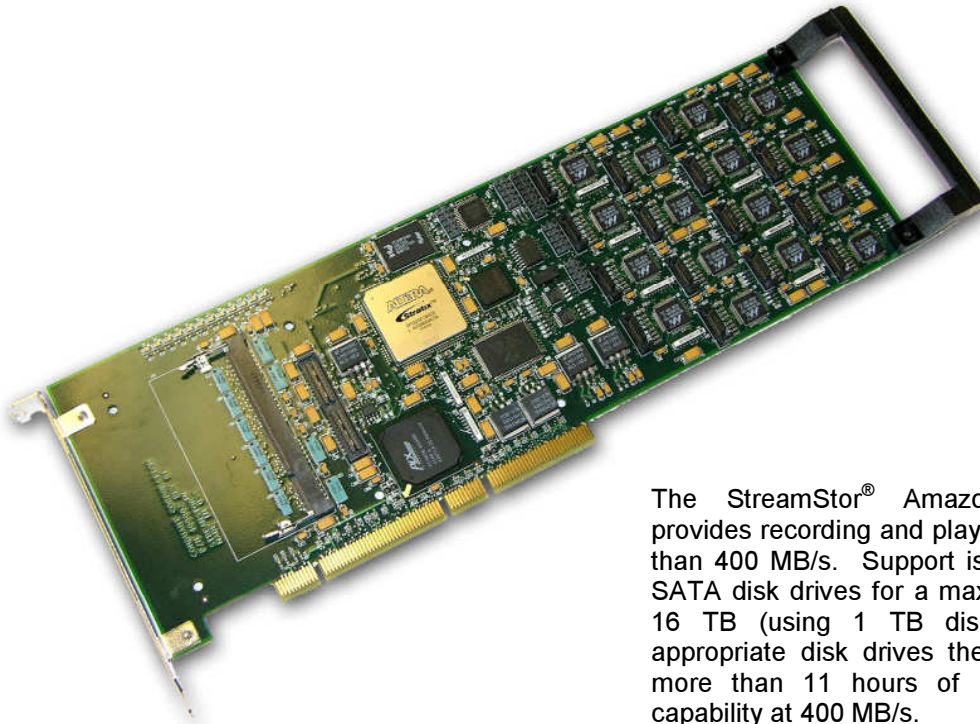


StreamStor® Amazon Storage Controller



The StreamStor® Amazon storage controller provides recording and playback capability at more than 400 MB/s. Support is provided for up to 16 SATA disk drives for a maximum total capacity of 16 TB (using 1 TB disk drives). With the appropriate disk drives the Amazon can provide more than 11 hours of recording or playback capability at 400 MB/s.

Using direct card-to-card transfers over the PCI bus, or direct data input from available external digital interfaces, the Amazon provides reliable, sustained recording or playback without fear of host software or OS bottlenecks. With an on-board PowerPC processor, real-time operating system and StreamStor® data engine, the Amazon operates independently of the host to provide guaranteed performance without interruption.

The Amazon has been specifically designed to support high speed data streaming applications such as:

- Digital Signal Processing (DSP)
- High speed data acquisition
- Radar and sonar
- Medical imaging
- Telemetry
- Satellite download
- High resolution video
- Waveform generation
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The Amazon is a full-size PCI card and can be installed in nearly any standard PC with open PCI slots. The Amazon also supports advanced StreamStor® functionality including circular recording (wrap mode) and direct recording from PCI sources.

- **Sustained recording and playback at more than 400 MB/s**
- **PCI 64-bit 66 MHz bus interface**
- **Mezzanine card bus to add external data IO interfaces**
- **Capacity from 250 MB to 16 TB**
- **On-board PowerPC and real-time operating system**
- **16 SATA disk interfaces**
- **1024 MB (1 GB) memory buffer**
- **Record card-to-card from PCI acquisition cards**
- **Scatter/gather DMA to/from host memory**

Specifications	
Maximum capacity	16 TB (Using 16 - 1 TB drives)
Maximum data rate	500 MB/s*
Duration (500 MB/s)	8 hours (500 MB/s using 16 TB)
Drive interfaces	16 SATA
Bus interface	64 bit / 66 MHz PCI
Form factor	Universal full-size PCI 2.1
Power	5V @ 5A (25W)*
Scatter/gather support	Yes
Onboard memory buffer	1024 MB

* Achieving a 500 MB/s data rate with Amazon is dependent upon the external interface used.

Available Mezzanine Interface Boards:



Software

The StreamStor® SDK provides drivers and a complete programming library for Windows or Linux operating systems. A recording application and many example programs are included. Advanced features such as circular buffer, partitioning, multi-channel, etc., are available through functions in the StreamStor® software library. Please contact your Conduant sales representative for more information on other available features and software.

Storage Media

The Amazon supports nearly any SATA disk drive on the market. This includes notebook disk drives (2.5"), desktop disk drives (3.5"), rugged hard drives and solid state (flash) drives. Amazon is also available in system configurations ranging from portables to large rack-mount systems capable of housing multiple recorders. Contact your sales representative for more information.

Warranty

Conduant hardware products are backed by a limited one year warranty. All software includes a 90 day warranty. 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. Private log-ins and trouble ticket management are provided along with technical downloads, knowledge base and other support tools.

Ordering Information

Amazon..... Part number: 400300000