

RTX16

Rack Mount Streaming Data Recorder



- **StreamStor® high speed recording and playback technology: Amazon or Amazon Express**
- **Available interfaces: PCI, Optical High Speed Serial, Copper High Speed Serial, LVDS, PCI Express**
- **Multiple terabytes of data storage capacity ranging up to 32 TB**
- **Redundant power supplies for built-in protection against a single power supply failure**
- **Dual Core Xeon Server with 4 GB of RAM**
- **StreamStor® Application Program Interface (API) for integration of StreamStor® Storage Controllers**
- **Expansion PCI slots for optional third-party I/O boards**
- **Scalable SATA storage**

The Big River™ RTX16 Digital Recording System is configured to provide clients with StreamStor® high-speed recording and playback technology that is already built into a heavy-duty industrial 19" rack-mount chassis that includes a PCI backplane for Commercial Off The Shelf (COTS) component flexibility, a set of individually removable hard disk drives for data storage and an onboard Dual Core Xeon Server that can be used to handle command and control as well as data manipulation. The Big River™ RTX16 recording chassis configurations provide clients with 16 removable hard disk drives for multiple terabytes of data storage capacity.

The RTX16 Digital Recording System can be used to support a variety of data streaming applications such as:

- Digital Signal Processing (DSP)
- High speed data acquisition
- Radar and sonar
- Medical imaging
- Telemetry
- Satellite download
- High resolution video

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StreamStor® disk controller card	Amazon/Amazon Express
Total number of StreamStor® disk controller cards inside the recording chassis	1
Maximum sustainable performance (MB/s)	500/800
Capacity (max)	32 TB
Duration at max performance	8.5 Hrs/11hours
Available interface(s)	PCI, PCI Express Optical High Speed Serial, Copper High Speed Serial, LVDS

Hardware Configuration

Enclosure	3U rack mount
Drive bays	16 bays
System drive	250 GB
Motherboard/CPU or ATX backplane	Dual Core Xeon Server
CD/DVD drive	Yes
Network	Dual Gb Ethernet
OS	Windows / Linux
Power supply	Redundant 1200W

Options

Long distance recording (fiber)	Optional
COTS digital I/O, DSP or A/D data acquisition output board(s)	Optional
Rugged or solid state drives	Optional
Expansion slots	PCI, PCI Express

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 logins and trouble ticket management are provided along with technical downloads, knowledge base and other support tools.

Please contact your Conduant sales representative for more details about the Big River™ RTX16 Digital Recording System.

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