

RDA2-301 2ND GENERATION RECORD AND PLAYBACK LIBRARY



HIGH CAPACITY, HIGH PERFORMANCE & LONG-TERM STORAGE

Leonardo DRS' RDA2 Series of Record and Playback Libraries is the 2ND generation of the popular Recorded Data Access (RDA) product. These platforms provide high-capacity long-term storage and a high-performance I/O as well as direct record and playback of up to four channels of differential-ECL (DECL). Recorded data may be directly accessed through the open Linux operating system or the built-in 100/1000/10GBase-T Ethernet network interfaces.

- Supports 24 HDDs in RAID-6
- System capacities of 22 TB, 44 TB, 66 TB or 88 TB
- Supports either two or three PCI express I/O expansion cards depending on DDM configuration
- 4U 19-inch EIA rack-mount configuration, rack slides included
- Simultaneous record/playback of up to four channels of DECL at either 70 or 96 Msps each
- RAID-6 disk architecture for maximum data integrity
- Up to 88 TB of RAID protected storage

- Two- or four-channel DECL Record and Playback System
- Capable of recording or playing back 100 K ECL data
- Clock rates of 70 or 96 MHz
- Internal or external clock support
- Open Linux Operating System
- Samba, FTP and NFS file access
- Dual, built-in 100/1000/10GBase-T Interfaces
- Redundant power supplies



RDA2 SERIES OF RECORD AND PLAYBACK LIBRARIES

HIGHLIGHTS

- Dual Intel Sandy Bridge E5-2600 series microprocessor architecture
- 32 GBytes of quad-channel DDR3 memory
- Integrated SAS HBA for connectivity to DRS Eagle Xpress, Scout, and Modular Scout Storage Pack Interfaces and LTO-6 Tape Subsystem
- Each system ships with a spare hard drive and carrier sled

SYSTEM CAPABILITIES

PARAMETER	DESCRIPTION
DECL Interface	Two or four channels
Technology	100K ECL
Width	16 bits
Speed	70 or 96 MHz
Storage System	Up to 88 TBytes RAID-6 protected storage with peak performance up to 800 MB/S
Operating System	Centos 6.3 (64-bit)
Processors	Two 2.0 GHz hex-core processors
Network Access	Dual 100 / 1000 / 10GBase-T Ethernet NFS, FTP and Windows (Samba) access

SWAP

- 4U 19-inch EIA Rack-Mount Configuration
- Approximately 100 lbs. without slides, 110 lbs. with slides
- Approximately 600 Watts during boot cycle, 450 watts during playback of four DECL channels at maximum rate
- Operating temperature range of 10°C to 35°C

ORDERING OPTIONS

PART NUMBER	DESCRIPTION
RDA2-301-1T-DDM1	Dual-channel with 22 TB of storage ¹
RDA2-301-1T-DDM2	Quad-channel with 22 TB of storage ²
RDA2-301-2T-DDM1	Dual-channel with 44 TB of storage ¹
RDA2-301-2T-DDM2	Quad-channel with 44 TB of storage ²
RDA2-301-3T-DDM1	Dual-channel with 66 TB of storage ¹
RDA2-301-3T-DDM2	Quad-channel with 66 TB of storage ²
RDA2-301-4T-DDM1	Dual-channel with 88 TB of storage ¹
RDA2-301-4T-DDM1	Quad-channel with 88 TB of storage ²

¹ DDM1 includes one Dual DECL module

² DDM2 includes two Dual DECL modules

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