

Professional Disc for DATA

The most advanced professional data storage and archiving technology breakthrough.

High 23GB capacity blue laser optical storage and archiving technology
Incredibly fast data transfer speeds Total reliability and durability
ReWritable and Write-Once-Read-Many (WORM) capability



Why Professional Disc for DATA Drives ?

The Professional Disc for DATA drives are designed to meet today's data storage challenges by providing 23GB of storage capacity on just one single-side media, while offering a maximum read transfer rate of 11MB/sec, making it ideal for data-intensive applications in markets such as healthcare, telecom, banking, insurance, legal and government.

The drive and media will feature a durable, airtight structure to prevent dust particle contamination of the drive mechanism and disc surface, increasing reliability for critical applications.

Both Rewritable and Write Once Read Many (WORM) media is supported for regulatory and secure storage requirements.

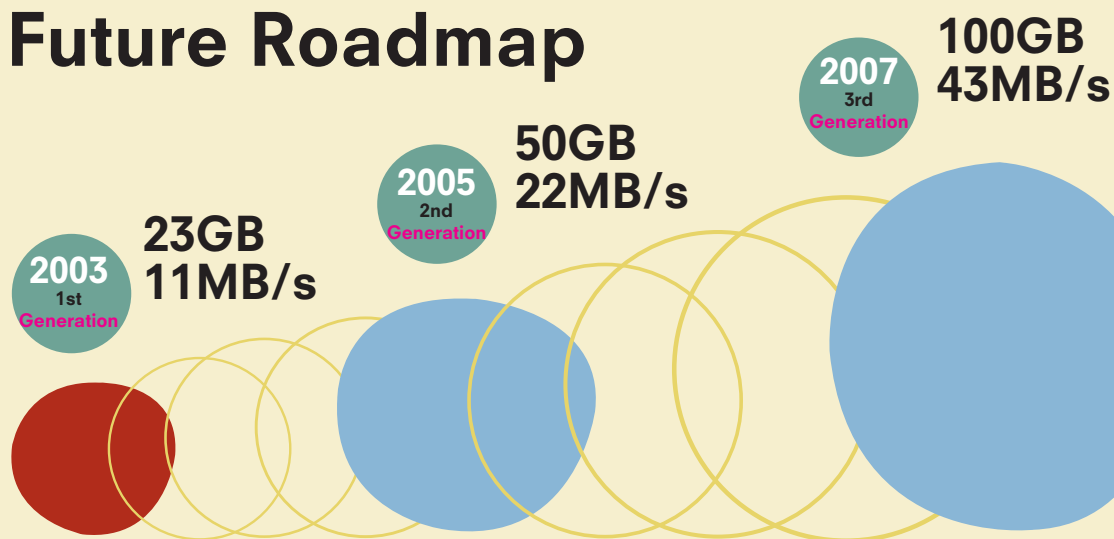
The 5.25-inch external drives incorporate either an Ultra 160 LVD/SE SCSI or USB 2.0 interfaces for easy integration with high-end workstations or servers for storage and archival purposes.

Key features and benefits

- **All your business data on just a single disc**
 - Up to 23 GB capacity as standard
- **Data saving and search operations with unparalleled speed**
 - High-speed data transfer of 11MB/s (Sustain/Read)
 - Ultra 160 LVD/SE SCSI and USB 2.0 interfaces
 - Low cost per GB
- **Simple integration allowing easy introduction into client systems**
 - Compact and attractive drive design.
- **Maximizes reliability and durability**
 - Robust dust-proof design with both the disc drive and media protected from dust for those mission-critical applications.
- **Choice of storage and archiving media**
 - Supports both ReWritable and Write Once Read Many (WORM) media for applications that require non-erasable, secure storage or audit trails.
- **Protect your investment with Sony**
 - Strong roadmap to the 3rd generation in 2007 (100GB per disc) with backward compatibility.



Future Roadmap



Model name	BW-RS101	BW-RU101
Drive type	External type	
Media	Rewritable (PDDRW23), Write-once (PDDWO23)	
Inter face	Ultra 160 LVD/SE SCSI	USB 2.0
Capacity (Online)	23 GB	
Data transfer rate	Sustained read	11 MB/s (CLV), 5.5 - 11 MB/s (CAV)
	Sustained write	9 MB/s (CLV), 4.5 - 9 MB/s (CAV)
Data transfer rate (Burst)	160 MB/s (Synchronous)	
Logical sector size	2,048 Bytes *	
Seek time (CAY)	Full seek	200 ms
	1/3 seek	110 ms
Load/Eject time	6.0 sec / 3.5 sec	
Buffer memory	16 MB	
MSBF	300,000 SWAP	
Dimensions	199.3 (W) x 59 (H) x 306.3 (D) mm	
Weight	4.5kg	
Power supply	+/- 10%, 50/60Hz +/- 5%	
Power consumption	30 W (Average)	
Calorific power	34.4 Kcal/h (Max)	
Operating Temperature	5~40°C ($\Delta T < 10\text{C/h}$)	
Operating Humidity	10~90% (non condensing)	
Storage Temperature	-30~60°C ($\Delta T < 10^\circ\text{C/h}$)	
Storage Humidity	5~90% (non condensing)	
Mount position	Horizontal/Vertical x2 ($\Delta T < \pm 10\%$)	

* 512 Bytes sector size can be chosen by using mode select command.

Supplied Accessories:

- External Professional Disc for DATA drive
- Power cable
- USB2 A-B Cable (USB model) OR SCSI Cable and Terminator (SCSI model)
- User Manual
- SAI Disk Tune up software

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