

QIC data cartridge technology—IBM-certified for reliability



IBM-Certified QIC 5.25" MLR/SLR™ Data Cartridge Family

IBM-certified quality

IBM QIC-format MLR/SLR™ data cartridges are precision-manufactured to tight specifications, assuring consistent high quality and reliability. Each cartridge comes with IBM's lifetime limited warranty.

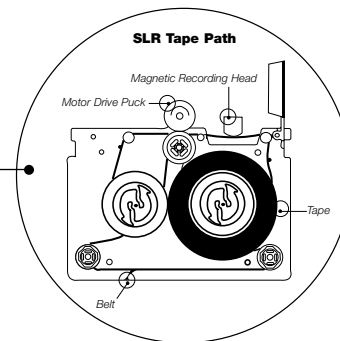
Storage technology leadership

All IBM media products reflect the high standards of a leader in media and storage-drive technology. As a Total Storage Solution Provider, IBM developed many of the storage technologies used today—and we continue to set media standards.

The IBM value proposition

IBM quality, support and performance certification combine to make IBM a media value leader in QIC-format storage products. **Call 1-888-IBM-MEDIA or visit <http://www.ibm.com/storage/media> for more information.**

Linear recording technology represents a more efficient cartridge and drive design that reduces tape stress, ensures data integrity and increases drive and cartridge reliability.



- **Advanced mirror optics** ensure beginning of tape (BOT) and end of tape (EOT) recognition
- **Advanced media-binder process** delivers a smooth operation
- **Stringent wheel-pin perpendicularity specification** for smooth operation and fewer re-reads
- **Servo writing** allows accurate readability

...Media Value from IBM

1-888-IBM-MEDIA

www.ibm.com/storage/media

Drive/Media Compatibility for IBM QIC/MLR/SLR Tape Drives:

Data Cartridge		Native Data Transfer Rate	Uncompressed/Compressed* Media Storage Capacity	Name on Front of IBM Tape Drive												
				QIC-120	QIC-525	QIC-1000	QIC-2GB	QIC-2GB (DC)	4/8GB SLR5 QIC-4GB-DC	MLR1 QIC-5010-DC	MLR1-S QIC-5010-DC	MLR3	SLR60	SLR100		
Media Type	IBM P/N			Drive Storage Capability (native/compressed)												
				120 MB	525 MB	1.2 GB	2.5 GB	2.5/5 GB	4/8GB	16/32 GB	16/32 GB	25/50 GB	37.5/75 GB	50/100 GB		
SLR100-50GB	35L0968	5 MB/sec	50/100GB													R/W
SLR60 Enhanced Capacity	24R0146	4 MB/sec or 5 MB/sec	37.5/75GB												R/W	R/W
SLR60-30GB	19P4209	See Note.	30/60GB												R/W	R/W
SLR100-5GB	35L0661		5/10GB												R/W	R/W
MLR3-25GB	59H4128	2 MB/sec	25/50GB										R/W	R/W	R/W	
MLR1-16GB	59H4175	1.5 MB/sec	16/32GB							R/W	R/W	R/W	R/W	R/W	R/O	
MLR1-13GB	No longer available.	1.5 MB/sec	13/26GB							R/W	R/W	R/W	R/W	R/W	R/O	
MLR1-2GB	35L0589	1.5 MB/sec	2/4GB							R/W	R/W	R/W	R/W	R/W	R/O	
SLR5-4GB	59H3660	0.4 MB/sec	4/8GB						R/W	NO	R/O	R/O	R/O	R/O	R/O	
DC9250	16G8436	0.3 MB/sec	2.5GB	(QIC-2DC tape format)				R/W	R/W	NO	R/O	R/O	R/O	R/O	NO	
				(QIC-2GB tape format)				R/W	R/W	R/W	R/W	R/O	R/O	R/O	R/O	NO
DC9120	21F8730	0.3 MB/sec	1.2GB			R/W	R/W	R/W	R/W	R/W	NO	NO	NO	NO		
DC6525	21F8697	0.2 MB/sec	0.5GB		R/W	R/W	R/W	R/W	R/W	R/W	NO	NO	NO	NO		
DC6150	21F8578	0.1 MB/sec	0.1GB	R/W	R/W	R/W	R/W	R/W	R/W	R/W	NO	NO	NO	NO		

Note: An SLR60 drive will store data at 4 MB/sec on this cartridge; an SLR100 drive will store data at 5 MB/sec.

* Assumes 2:1 data compression.

RECOMMENDED Use this media for best reliability and performance.	OK May degrade reliability or backup performance.	NOT RECOMMENDED May shorten tape drive life and cause higher maintenance.	NOT COMPATIBLE This drive and cartridge combination will not work.
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Recommending a Cleaning Cartridge for QIC/MLR/SLR Tape Drives:

QIC Cleaning Cartridge Type	IBM Part Number	Name on Front of IBM Tape Drive											
		QIC-120	QIC-525	QIC-1000	QIC-2GB	QIC-2GB (DC)	4/8GB SLR5 QIC-4GB-DC	MLR1 QIC-5010-DC	MLR1-S QIC-5010-DC	MLR3	SLR60	SLR100	
"DRY"	35L0844	DO NOT USE!		BEST CHOICE									
"WET"	16G8572	BEST CHOICE		OK May not be as effective as the dry cleaning method. Read enclosed instructions. Change cleaning pads as needed, and be sure to eject the cartridge after each 10 seconds of use.					DO NOT USE! Wet cleaning may destroy the thin-film head in your tape drive.				

Media Type	IBM Part Number	Form Factor	Capacity (Uncompressed)	Capacity (Compressed)*	Tape Length (ft/m)	Recording Density (FTPI/FTPMM)	Coercivity (oersteds)
DC9120 (QIC-1000)	21F8730	5.25"	1.2GB	1.2GB**	950/290	45,000/1,772	900
DC9250 (QIC-2GB & -2DC)	16G8436	5.25"	2.5GB	5GB**	1,200/366	50,800/2,000	900
SLR5-4GB	59H3660	5.25"	4GB	8GB**	1,500/458	62,000/2,441	900
MLR1-2GB	35L0589	5.25"	2GB	4GB**	200/60	50,800/2,000	900
MLR1-16GB	59H4175	5.25"	16GB	32GB**	1,500/458	50,800/2,000	900
MLR3-25GB	59H4128	5.25"	25GB	50GB**	1,515/462	77,343/3,045	1,650
SLR60-30GB	19P4209	5.25"	30GB	60GB**	900/274	152,400/6,000	1,650
SLR60 Enhanced Capacity	24R0146	5.25"	37.5GB	75GB**	1,150/378	152,400/6,000	1,650
SLR100-5GB	35L0661	5.25"	5GB	10GB**	155/47	152,400/6,000	1,650
SLR100-50GB	35L0968	5.25"	50GB	100GB**	1,500/457	152,400/6,000	1,650
QIC 5.25" Wet Cleaning Cart.	16G8572	5.25"	Do not use on MLR/SLR Drives (up to 50 cleanings)				
MLR/SLR Dry Cleaning Cart.	35L0844	5.25"	Do not use on QIC 6000 5.25" Drives (up to 50 cleanings)				

Environmental Requirements

Operating conditions†	41–113°F (5–45°C); 20–80% RH***
Storage conditions	23–113°F (-5–45°C); 20–80% RH***

- * Assumes 2:1 data compression.
- ** Values are drive and data dependent.
- *** Maximum wet bulb temperature 79°F (26°C)
- † Base plate (operating temperature).

- **Proprietary belt design** provides steady tension
- **Special stippled base plate design** provides exceptional rigidity and a stable tape path
- **Cartridge cover** shields against static discharge and airborne debris
- **Durastat™ on drive rollers** dissipates static
- **Trouble-free access door design**
- **Multi-step media cleaning** during manufacturing for exceptional reliability

Quality data storage products from IBM

IBM offers a complete line of quality data storage products to support applications ranging from PC desktops to enterprise-wide mainframe libraries. Some of the available products are:

- 3570 Magstar MP tape cartridges
- 3590E, 3590, 3490E and 3480 tape cartridges
- M/O optical discs and DVD-RAM Discs
- 4mm, 8mm and VXA data cartridges
- 1/4" (QIC) MLR/SLR data cartridges
- DLTape™ IV and Super DLT data cartridges
- Cleaning cartridges in all popular formats

To obtain more information

To order or get more information on any IBM data storage products call **1-888-IBM-MEDIA** toll free in the U.S. and Canada

For locations outside the U.S. and Canada, you can obtain more information at www.ibm.com/storage/media

Limited warranty includes Warranty Service only in those countries where IBM products are sold by IBM or IBM Business Partners (registration required). For more information contact your IBM representative or reseller.

This warranty does NOT apply to failure of the IBM product resulting from misuse, abuse, accident, neglect or mishandling, improperly adjusted or maintained drives, incorrect environments, or wear from ordinary use.

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