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C7972A HP LTO 2 Tapes Boost the Performance of Your Ultrium-448 Drives by [Rob Miller](#)

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Organizations create data backups not only to make up for the tampered or lost data, but also to fulfill the stiff mandates of â€œEuropean Union Data Retention Directiveâ€•, â€œHIPAAâ€•, â€œSarbane other various government legislations. That is why organizations secure their data, and backup storage is the best solution that helps them to meet these objectives. Organizations canâ€™t risk integrity of their client information and business critical data, so they must choose the best solution, and the perfect tape storage technology that has been dominating the industry since the late 1990s is LTO ultrium. LTO tapes work with all compliant LTO drives, even if they have been manufactured by other company.

So you have been introduced to the leading tape technology. Now letâ€™s move on to its most popular brand, which is HP Hewlett-Packard. HPâ€™s success in not limited to backup devices, but it is the first choice in all I.T products. There is another reason why businesses prefer this HP brand, and that is its efforts and contribution in developing this LTO ultrium format. HP LTO2 tape solution makes backup operations highly cost-efficient for small computing systems and high end workstations. This compact solution provides ample capacity of 200/400 GB, and also saves time with its reliable storage operations at 173 GB/hour (compressed rate).

Ultrium448 is the high-class tape drive family. HP has introduced market leading interfaces in these LTO 2 drives. Additionally, they can be flexibly configured in complex IT centers that simplify media management and maximize performance. Attractive feature of these drives is that they do not degrade the overall performance even if host systemâ€™s speed is not stable. The ultrium-448 drives can perform at different speeds from 8 to 24 Mbps. These are the un-compressed speeds. You also have the advantageous feature of data compression that doubles the performance, whereas the SAS 3GB/second and SCSI interfaces connect users to the broadest range of systems. Compact size of ultrium-448 drives allows users to integrate them in 5.25-inch media bays. For greater storage performance, companies can migrate to LTO3 media tape format.

As mentioned earlier, LTO technology offers multi-vendor compatibility. This feature empowers businesses to connect to numerous other LTO ultrium platforms. Additionally, its backward compatibility further boosts the media choice. Imation, Dell, Quantum, Fuji, Sony and many other LTO2 tape brands are available. Ultrium 448 drives also read-record first generation tapes, which is a great advantage for LTO1 customers migrating to this tape system. So customers have more storage operations, which the users wonâ€™t find in other tape based technologies.

Creating data backups will not provide you complete assurance of business continuity unless you store the tapes offsite. In this way, a copy of data will be available to you if the data center is damaged by fire or a natural disaster strikes like flood. HP-branded LTO tapes are the best option for securing your data assets at remote sites. Their durable cartridge shell and the strong architecture minimize the risk of damage. So the users can reliably extract data files even if they were roughly handled or dropped accidentally.

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