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HP Ultrium-448 Tape Drives are Designed for LTO-2 Backup Tape Media by [Rob Miller](#)

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Backup tape is the most cost-effective, durable and high-performance medium for data storage. Backup tape format enables the organizations to recover from data losses and ensure in-time availability of vital business information at lowest cost per gigabyte.

The most dependable solution for the escalating demands of modern time-critical applications, demanding data centers and SMBs is the LTO ultrium tape format. This tape solution was co-developed by Seagate, IBM and Hewlett-Packard.

LTO (linear tape open), as its name says, is an open tape standard, which offers better pricing, media interoperability and greater choice to its customers. LTO ultrium tape format offers the durability, scalability, exceptional media compatibility and long term reliability that today's enterprises now demand of backup media solutions. LTO tape technology uses a single-reel cartridge design that features a half-inch storage tape. This intelligent and space-efficient approach helps to increase the surface area for greater data storage, thus resulting in higher backup performance.

HP ultrium-448 represents half-height LTO-2 tape drive family that is positioned as the most affordable and reliable data storage solution for medium and small businesses. These HP drives are available in internal & external models. What's more, HP ultrium-448 tape drive offers the industry leading SCSI and SAS host interfaces that facilitate the data managers to install the HP LTO-2 tape solution in a broader spectrum of IT environments. HP ultrium-488 drives are fully compatible with LTO1 ultrium cartridges. The customers have the luxury to flexibly use LTO1 and LTO2 backup tapes with ultrium-488 tape drives, which helps to secure the users' previous investments in LTO technology.

HP LTO2 cartridge, part number C7972A, has been designed for unprecedented storage performance, superior read/write accuracy and long term reliability. HP C7972A backup tape can house 200GB un-compressed data. HP C7972A is a compact backup tape that can withstand the pressure of high duty cycles.

HP's diverse portfolio comprises of industry-leading backup tape technologies. DLT tape, AIT tape, DDS-DAT tape, RDX disk cartridge and SDLT (Super DLT) tape are few of the best-selling HP backup tapes. Industry's top tape media specialists including Maxell, Quantum, Fuji, IBM, Sony, Imation and Dell also manufacture LTO tape products.

In order to save the readers' precious time, I have listed here the part numbers of major LTO-2 brands, LTX200GWW (Sony LTO2), MR-L2MQN-01 (Quantum LTO-2), 183850 (Maxell LTO-2), 94527 (Verbatim LTO-2), 26220001 (Fuji LTO2), 08L9870 (IBM LTO-2), 340-8701 (Dell LTO 2), 16598 (Imation LTO-2) and D2405-LTO2 (TDK LTO2).

HP LTO-2 ultrium solution satisfies the exploding needs of today's enterprises at an economical price with rock solid reliability. In compressed mode, the HP ultrium-448 drive achieves super-fast speed of 173 GB/hour, making it the most dependable solution for busy data centers. New exclusive 'dynamic data rate matching' feature in conjunction with 64-MB data buffer ensures uninterrupted backups and higher recording performance. Dynamic data rate matching technology adjusts the drive speed accordingly with that of incoming transfer rate. This special feature of HP ultrium-448 drive enhances the recording performance and ensures data precision.

HP LTO-2 ultrium is the ultimate solution for addressing compliance requirements and long-term security of confidential information.

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