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Quantum LTO-5 Tape, the New High-Capacity Backup Solution Designed for Fast-Growing Businesses by Rob Miller

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Tremendous growth in corporate databases, shrinking media storage space and requirements to preserve these data files for longer periods has stressed the backup infrastructures across all types of organizations. In the face of these heightened data security concerns and stiff backup challenges, the data-rich organizations are increasingly looking for high-capacity backup systems that are economical, space efficient and deliver fast speed to meet the demands of todayâ€™s commercial applications. Now there is a fresh solution, LTO-5 ultrium tape, that offers robust data security features, fast data streaming rate, unmatched reliability and low cost per GB. It is the fifth generation of globally-renowned Linear Tape Open (LTO) technology that offers the advantage of multi-vendor media compatibility.

Quantum is a global tape media specialist and leading member of LTO consortium. Quantum has extended its high-class LTO portfolio to the fifth generation, thus addressing the evolving backup storage needs and providing a smart tape solution to the broadest range of small to large-scale organizations. MR-L5MQN-01 is the newly-designed Quantum LTO5 cartridge, which features almost double capacity compared to the LTO-4 media tape. This facilitates the customers of data-rich companies and space-constrained organizations to deploy reduced quantity of tapes for data management. This will improve the staff productivity and reduce burden on IT managers. Quantum LTO ultrium 5 tape reliably packs up to 1.50TB native information.

Quantum LTO5 solution efficiently fulfills the data protection needs of media-rich applications, complex server environments, data mining, midrange storage management, video archiving and busy data centers. Quantum LTO5 drive family comprises of an exceptionally wide range of models featuring the FH (full height) and HH (half height) architectures. Thatâ€™s not all, there are also internal and external drive units, thus providing a perfect LTO-5 drive for the complex computing systems.

Good news for space-constrained organizations is that they can configure the half-height LTO5 drives with 1-U rack mount and the full-height drives with 3-U rack mount kit.

Value-conscious customers prefer LTO ultrium technology because it provides them the flexibility to use LTO media tapes with drives manufactured by other vendors. This unique capability allows the customers to meet their evolving needs in a cost effective manners, while taking advantage of seamless data exchange across heterogeneous LTO backup systems. LTX1500G (Sony), 46X1290 (IBM), 16008030 (Fuji) and C7975A (HP) are amongst the leading LTO5 brands that offer long term reliability and fast write/read operations.

LTO5 drives feature 15% enhanced data streaming rate compared to LTO-4 drives. Native and compressed speed achieved by Quantum LTO-5 drives is 140 and 280 MB per second. Therefore, the users can confidently stream their huge data files and keep pace with the industry-leading operating systems and backup software.

Quantum LTO5 solution protects your precious data assets with its 256-bit AES encryption functionality. This is a built-in feature; therefore, you donâ€™t have to purchase the costly encryption software. Furthermore, W.O.R.M technology is also supported by this intelligent LTO5 system. It prevents data erasures and modifications, which is useful in securing data against common operating errors. Quantum LTO ultrium 5 technology delivers the speed, security and capacity to compete successfully in todayâ€™s internet-driven market.

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Frank Miller is the Marketing Manager of Backuptape and markets a LTO-5 media tape and a MR-L5MQN-01. He has vast experience in the marketing and trading industries and has been helping buyers who have the backup needs and guide clients about the technology.

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