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QUALSTAR EXPANDS XLS ENTERPRISE LIBRARY FAMILY

New model exceeds 90 terabytes (native) per square foot in large archive configurations, setting new industry storage density standard

SIMI VALLEY, Calif., April 30, 2008 — Qualstar® Corporation (Nasdaq: QBAK), a manufacturer of automated tape storage solutions and high-efficiency power supplies, today announced the XLS-8161100 Library Resource Module (LRM), the fourth member of the XLS Enterprise Tape Library System family. The new model sets the industry standard for storage density and is particularly well suited for users with rapidly growing archive requirements. The XLS-8161100 leverages the trend-setting expandability pioneered by Qualstar's XLS-820500 and XLS-832700 LRMs, which began shipping in 2006.

The new LRM delivers an initial native capacity up to 852 terabytes in less than 11 square feet of floor space. It houses up to 16 IBM LTO 4™ (Ultrium™) tape drives, with aggregate data transfer rates exceeding 6.9 TB/hr. One or two 1,075 slot Memory Expansion Modules (MEM) can be added to each XLS-8161100, yielding a configuration that stores over 2.5 petabytes in less than 28 square feet. The new model can be intermixed with both new and installed XLS-820500 and XLS-832700 LRMs to deliver precisely tailored configurations to meet a broad range of end user capacity and performance requirements.

XLS is truly *The Tape Library You Can't Outgrow*SM. LRMs and MEMs can be easily linked together to build configurations exceeding 9,600 tape slots, delivering almost 7.7 petabytes (native) of storage. Leveraging Qualstar's patented Compass Architecture™, any tape can be accessed in just 21 inches average horizontal robotics motion, yielding much higher reliability and lower power consumption. For example, the XLS-8161100 uses under 500 watts of electricity to store and access almost 850 terabytes of archive data, which is less than 1/20th the power used by a similarly sized disk system.

“Our new XLS-8161100 targets two significant problems that users developing large archive storage systems all share: maximizing storage density to radically reduce the amount of expensive IT floor space needed, and attacking power consumption and the related air conditioning loads that older tape technologies and all disk systems incur,” said William Gervais, Qualstar president and CEO. “Easy expansion, advanced manageability and great flexibility means that the XLS Enterprise Tape Library family continues to deliver real value to customers needing enterprise capacity and features without enterprise costs.”

Like the all XLS models, the XLS-8161100 incorporates X-Link™, the intelligent, single-view management interface that provides powerful tools and comprehensive information to monitor and manage library operations around the clock, throughout the enterprise or across the globe. Identical X-Link access is delivered locally via the 15-inch color touch screen built into every XLS, and remotely via an intranet connection or the Internet. Authorizations, passwords and user group controls give administrators the security tools needed to organize, manage and customize individual user access to up to eight independent logical library partitions. With appropriate permissions, Qualstar Technical Support technicians can also remotely access an XLS via X-Link to review event logs and run diagnostics.

The XLS-8161100 will be available beginning in July exclusively through Qualstar’s worldwide network of Authorized Reseller Partners. Contact Qualstar, one of Qualstar’s Reseller Partners or visit <http://www.qualstar.com/xls> for more information.

About Qualstar Corporation

Qualstar manufactures automated tape libraries and power supplies. Its products are known throughout the world for energy efficiency and rugged, *Simply Reliable* designs yielding years of trouble-free operation. Qualstar tape libraries are sold, installed and supported worldwide to backup, archive and protect data from incidental and catastrophic loss. Its N2Power brand high efficiency, ultra small switching power supplies are sold to OEM manufacturers worldwide, where very low power consumption is required. Qualstar Corporation is publicly traded on the NASDAQ National Market under the symbol QBAK. More information is available at www.qualstar.com or by phone at 805-583-7744.

Forward-Looking Statements

Statements concerning the future business, operating results and financial condition of the Company are “forward-looking” statements as defined in the Private Securities Litigation Reform Act of 1995. Such statements are based upon management’s current expectations and are subject to a number of uncertainties that could cause actual performance and results to differ materially from the results discussed in the forward-looking statements. Factors that could affect the Company’s actual results include the Company’s ability to increase sales of its tape libraries; rescheduling or cancellation of customer orders; unexpected shortages of critical components; unexpected product design or quality problems; and, adverse changes

in market demand for tape libraries or other Qualstar products. The Company undertakes no obligation to publicly update any forward-looking statements whether as a result of new information, future events or otherwise. Further information on these and other potential factors that could affect the Company's financial results or condition are included in Qualstar's filings with the Securities and Exchange Commission. In particular, reference is made to the "Risk Factors" section of the Company's Annual Report on Form 10-K for the fiscal year ended June 30, 2007, and to the "Management's Discussion and Analysis of Financial Condition and Results of Operations" sections of its Form 10-K and its most recent Quarterly Report on Form 10-Q.

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