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QUALSTAR ANNOUNCES TWO NEW XLS ENTERPRISE TAPE LIBRARIES

New models are expressly designed for rack-centric systems environments

SIMI VALLEY, Calif., November 23, 2009 — Qualstar® Corporation (Nasdaq: QBAK), an innovator in automated tape storage solutions, today announced two new models of its widely regarded XLS Enterprise Tape Library family. The XLS-810160 and XLS-810240 deliver the benefits and features of Qualstar's patented Compass Architecture™ packaged to seamlessly integrate into rack-focused IT layouts. Shipments will begin in the first quarter of 2010.

The new XLS-810160 and XLS-810240 models are just 23 inches wide to allow easy integration by customers who have designed their IT environments around industry standard rack sizes. Unlike rack-bound libraries, the new XLS models can expand to 780 tape slots, yielding 624 terabytes in less than 11 square feet, allowing users to easily increase their backup and archival storage to match rapidly growing data.

The XLS-810240 library contains 245 tape storage slots and can house up to ten LTO 4 tape drives, delivering a native capacity of 196 terabytes and a native data transfer rate exceeding 4.3 terabytes per hour. Typical data compression techniques can more than double both the capacity and data rate. The XLS-810160 houses 165 LTO data cartridges, yielding a native capacity of 132 terabytes. An 80-slot, user-installable capacity upgrade kit is available to convert the XLS-810160 to an XLS-810240.

All XLS Enterprise Tape Libraries are designed to accept LTO 5 drives when they become available, effectively doubling the capacity of all models. Upgrading XLS libraries to support the latest tape drives is easy and can be accomplished by the end user.

Adding capacity or tape drives to the new XLS-810160 and XLS-810240 is readily accomplished in the field with minimal interruption to on-going operations. Tape drive bays, tape drives and

internal and external capacity expansion options can all be installed in a few minutes. An Expansion Pod can be added initially and then replaced by a 535-slot Memory Expansion Module, providing granular solutions to meet a broad range of data protection and archival storage growth requirements.

“Our new XLS models free users from the growth restrictions imposed by rack-limited storage solutions. Easy expansion combined with enterprise features and lower entry cost means real value for customers today and flexibility to readily meet growth needs in the future,” said William Gervais, Qualstar President and CEO.

XLS Enterprise Library Systems are available exclusively through Qualstar’s worldwide network of Authorized Resellers. Contact Qualstar, an Authorized Reseller 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 products; rescheduling or cancellation of customer orders; unexpected shortages of critical components; unexpected product design or quality problems; and, adverse changes in market demand for its 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, 2009, 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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