

# TACC1441 Accelerator for Password Recovery



## Hardware Accelerator Reduces Dictionary Based Recovery Times

The Tableau TACC1441 Hardware Accelerator (TACC) is a specialized product that reduces the dictionary based password recovery times of AccessData's PRTK and DNA applications. The patent-pending TACC accelerator performs massively parallel, high-speed computations of cipher-keys yielding a dramatic increase in the number of passwords per second each host computer generates. The result: A greater number of successful attacks in a significantly shorter amount of time.

## Benchmark Tests Show Significant Performance Gains

The charts at left demonstrate the power of the Tableau TACC. One TACC1441 unit (with 16 Field Programmable Gate Arrays, or "FPGAs") connected to various host computer systems yielded unprecedented performance gains of 6x to 30x (versus systems with no acceleration).

Need to shorten recovery times even more? Connecting multiple hardware accelerators together (daisy chained via FireWire 800) results in linearly increasing performance.

## Re-Shaping Password Attacks With The Tableau Accelerator

TACC does more than accelerate PRTK and DNA password attacks. It reshapes them. As shown in the diagram above, complex mathematical processing is performed by the specialized vector processing capabilities of the TACC. With the host system freed of this complex computational processing, password recovery performance of the overall system is significantly improved. With TACC acceleration, fewer dedicated computer systems will be required for your decryption needs. This saves you time and money.

## Support For Office 2007 Aes128 Encryption

Office2007's AES 128-bit encryption mandates the need for dictionary-based attacks. TACC accelerates the decryption of Office 2007 files and more. Please visit the TACC product page ([www.tableau.com/products/tacc](http://www.tableau.com/products/tacc)) for additional product details, including an up-to-date list of algorithms supported and overall performance.

