

# LOK-IT

## SECURE FLASH DRIVE™

### BACKGROUND

#### GE HEALTHCARE PRODUCTS AND SERVICES

GE Healthcare's products and services are sold in more than 100 countries worldwide to hospitals, medical facilities, pharmaceutical and biotechnology companies, and to the life science research market. Worldwide, GE Healthcare employs 46,000 people with annual revenues exceeding \$16.9 billion.



If you would like to see how simple it is to use LOK-IT with your medical device's USB port, we'd be happy to send you a LOK-IT at no charge in order to evaluate.

#### Executive Case Study:

### LOK-IT and GE Healthcare



#### Issue for GE: HIPAA and Protecting Sensitive Patient Data

A broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, and performance solutions services help their customers to deliver better care to more people around the world at a lower cost. GE Healthcare manufactures numerous pieces of equipment, including MRI, CT, ultrasound, and molecular imaging.

Much of the equipment includes a USB port as a standard for connectivity, which comes in very handy when field service engineers need to access the equipment's internal computer systems. For security purposes, much of the equipment does not connect to the Internet and very often has a zero-footprint.

HIPAA and HITECH Act regulations state that no patient medical record data can be stored on a portable device in a non-encrypted format. This posed an issue for GE Healthcare, as typical USB flash drives do not encrypt data. Even though transferring patient data was not part of the planned service process, the potential liability existed and they felt it better to err on the side of security and close that hole.

Engineers at GE Healthcare tested flash drives that encrypted stored data, but all relied upon software user authentication requiring entry of a password to access the drive. This reliance upon software proved problematic in two key areas. One, keyboards and touch screens for password entry may not always be available and two,

the password entry on the flash drives was not compatible with most of their medical equipment's software.

#### Solution: LOK-IT Secure Flash Drive®

Finally GE engineers came upon the LOK-IT Secure Flash Drive®. LOK-IT has no software component that poses a compatibility issue since users authenticate using the onboard PIN-pad\*. Users simply enter their PIN, the drive unlocks and is immediately ready to use. This hardware authentication made all the difference as data could now be easily and securely off-loaded from the various types of medical equipment while at the same time ensuring the entire process was completely HIPAA compliant.

GE also implemented additional security measures in regard to equipment access. For instance, they developed their own in-house program to ensure only approved, provisioned, and assigned LOK-IT drives can be used on the equipment. And, since any file can be stored on LOK-IT just like a typical flash drive, users download a unique token onto each LOK-IT as a form of a soft-token, granting temporary access to proprietary software.

Technicians even went so far as to implement a second level of software-based encryption in addition to LOK-IT's hardware encryption that render files unreadable on LOK-IT except when connected to approved equipment by authorized personnel.

LOK-IT provided GE Healthcare with their required security of portable data received from their medical devices, yet also afforded them with the flexibility to implement other features to meet their desired processes.

\*Based upon DataLock®, licensed technology from ClevX, LLC – Patents Pending