

01 PATIENT MEDICAL RECORDS



With built-in Bluetooth 4.0 LE connectivity, BluStor can interface wirelessly with smartphones, tablets and laptops, securely transferring data 50 meters at rates more than twice as fast as NFC.

Providing Effective Medical Care

Storing and sharing data as important as personal health records should be secure and easy. Unfortunately, today this is simply not the case. **94% of health care organizations have been breached** at least once in the past two years. On average, 2,769 records were stolen per breach, costing the company an average of 2.4 million dollars. Almost half those breaches were the result of a lost or stolen computing device!

The proliferation of mobile devices and apps has magnified the problem. The security tools we've relied upon for decades aren't up to the challenge. PINs and passwords can be hacked easily. In a recent example, a hacker took just **17 minutes to crack over 1000 passwords** from a secure website.

So how do you effectively authenticate identity and protect information in the mobile world? Using **multi-factor authentication**—something you know, something you have, and something you are (biometrics)—and **secure mobile storage** of patient health records.

Patented Technology

A U.S. patent has been issued for high-capacity smart card with a high-speed reader.

- *Patented High-Speed Smart Card with Flash Memory [US Patent 7,350,717 | Issued April 1, 2008]*

A patent has been filed for the unique combination of form factor, flash memory, energy-harvesting battery system and Bluetooth transceiver.

- *Bluetooth Enabled Credit Card with a Large Data Storage Volume [U.S. Utility Patent App. 13/418641 | March 13, 2012]*

With increasing storage and performance, new applications can be enabled. The smart card market is now at the stage that the hard disk drive market was at the introduction of the Seagate 5-1/4" 5MB HDD: the beginning of a major growth opportunity.

BluStor is positioned to drive this market, with patented technology and an executive team that has created and built some of the fastest-growing companies in history.

The Solution: BluStor

The BluStor high-performance smart card platform enables effective, timely delivery of medical services in a an untethered world, through the use of **multi-factor biometric identity authentication and secure high-capacity personal medical records storage**—in a system that does not require a connection to the internet or an expensive, dedicated card reader. **BluStor dramatically increases security and convenience for patients, providers, and third-party payers.** ([Watch](#) Walter Hamilton, Chairman International Biometrics & Identification Association, discuss biometrics and smart cards.)



Based on breakthrough technology, the BluStor solution is a flash-based storage device with robust encryption, a Bluetooth transceiver, and an energy-harvesting battery and recharging system—all in the form factor of a credit card. **BluStor meets all of the requirements for a mobile, secure card platform for high-end applications such as health care.**

- Credit card form factor: convenient and backward compatible
- High-capacity flash memory technology
- In-field upgrades via download, without replacing card
- Top-grade encryption, multi-factor biometrics
- High-speed Bluetooth 4.0 and USB 2.0 interfaces
- Paper-thin polymer internal rechargeable battery

Finis Conner (co-founder Seagate, founder Conner Peripherals) recognized the shift to ‘untethered’ computing, that today’s smart cards are inadequate, and no alternatives exist to address this need. Hence BluStor, the smart card re-imagined: powerful, portable, personal.