

# Voltage Enterprise Mobile Data Security Solutions

PROTECTING YOUR MOBILE DATA  
ANYWHERE IT MOVES, WHEREVER IT RESIDES, AND HOWEVER IT IS USED

The mobile generation is here to stay. Everywhere we turn, we see mobile devices playing an increasingly important role for both business and personal transactions. Across all industries and geographies, mobile transactions are growing at an unprecedented rate. They are used to complete personal banking and payments with customers and business partners, update and access information on enterprise applications, or send customer information to internal and external recipients via email. For many companies, mobile extends customer service from established channels to doing business anywhere, anytime. This is good news. Yet, with the ubiquity of consumer mobile devices and the enterprise trend to 'bring-your-own-device,' the IT network now has no set boundary. And that's a problem for data protection. With so many different devices that comprise the edge of the enterprise network, is it any wonder that much of this is out of the control of your IT and Security/Risk Management team? Voltage Security® understands these concerns, and has a mobile data protection strategy that will protect your data — wherever it goes.

Consider this: Companies like yours need a way to protect sensitive data that is accessed, moved, stored, and used across these mobile devices. You need to provide employees and customers with a secure way of completing transactions across a mobile platform. Information must be not just accessible, but always secure. Point solutions that are difficult to manage and open up security vulnerabilities won't work — and your executives can't afford to 'rip and replace' everything. We get it. In fact, if you're like most of our mobile customers, you want a data protection solution that doesn't compromise on user productivity — one that reduces business risk as well as compliance complexity and costs. To enhance your competitive advantage in the market, and build trust with your brand, the solution has to be non-disruptive and easy to use for your employees, customers and partners, and highly scalable and manageable for your IT team. Your company can't afford the theft and misuse of customer and employee personal data that could result in lost revenue, compliance violations or penalties, or damage to customer trust that ultimately hurts shareholder value.

At Voltage Security, we understand these concerns. We've built our company around enabling the trusted movement and use of data across your extended enterprise. Our data protection framework ensures that all of your data remains private anywhere it moves, wherever it resides, and however it is used across data centers, public and private clouds, and mobile devices.

## A Mobile Data Protection Strategy That Lowers Risk, Reduces Complexity, Achieves Compliance

At Voltage Security, we understand that it's not a mobile problem, but a data security issue you need to address. If you protect your data at the data level, it doesn't matter how you access it — via mobile devices, cloud services, laptops — or where you store it. In a breach, it will still be protected. Voltage calls this approach 'data-centric' because from the very first point of entry, the structured, unstructured, and semi-structured information is encrypted at the data level. It remains encrypted as it is used, stored, and moved across datacenters, public and private clouds, and mobile devices. Best of all, this promotes collaboration, reduces risk, and enables efficient compliance, thereby increasing shareholder value.

## Only Voltage Security delivers these key benefits for your mobile security data protection strategy:

- Provides a single data protection framework for all enterprise data. This enables you to have the right framework for consistent protection across your applications, devices, and into the cloud.
- Delivers the maximum return on information by achieving the greatest extent of data protection at the lowest cost of ownership. Voltage mobile solutions simplify compliance and reduce audit scope with privacy mandates that protect sensitive data from the moment of data capture.
- Offers ease of use, ease of operations with anywhere, anytime native user experiences that are optimized for the latest smartphones and tablets. Hard-to-use solutions can diminish user experience and discourage adoption of security policies, increasing business risk. The ease of use of our solutions means employees will use messaging security consistently and appropriately — it is just a matter of clicking the ‘send secure’ button. This means your enterprise can easily interact securely with your most demanding customers and partners. In fact, the Voltage Enterprise Mobile Data Security solution is extensible and adaptable across any environment, offering you the most comprehensive privacy and security coverage across data sources you’ll find anywhere.

*Forrester Research’s Chenxi Wang, Vice President, Principal Analyst, Security & Risk advises: “Focus on data, not the platform. Trying to keep on top of the dizzying array of mobile platforms and their individual capabilities is a challenging task. Instead, you should focus your strategy on protection at the data level, agnostic to devices ...”*

— Market Overview: Mobile Security, Q4 2011, Forrester Research, Inc.

## Three Mission-Critical Ways Voltage Mobile Solutions Can Protect Mobile Data and Your Business

Everyday, mobile devices are accessing more and more highly sensitive data. This trend will only increase. But with Voltage Enterprise Mobile Data Security solutions, you can protect your world’s data, anywhere it moves, wherever it resides, and however it is used.

### Voltage can help you in three mission-critical areas:

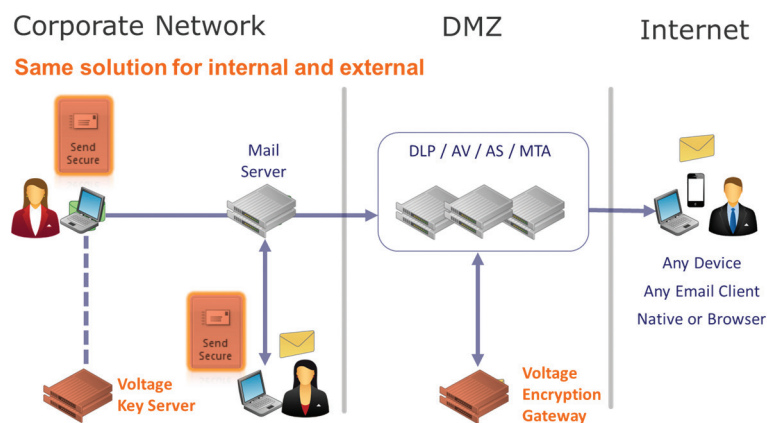
#### 1. Protect Mobile Emails and Attachments

Looking to shorten sales cycles, improve response time to customer requests, reduce paper waste, and generally improve productivity of your employees? Companies like yours are increasingly depending on mobile devices to achieve these goals, and access what is often sensitive email communications. The issue? Mobile data has to be protected in compliance with privacy and security regulations.

#### Voltage SecureMail Mobile Edition

Voltage SecureMail™ Mobile Edition offers a simple user experience that is designed specifically for each of the supported mobile platforms, ensuring that each app looks and behaves as users expect. All secure email is delivered into the user’s existing inbox and read locally on their mobile device, with full access to contact lists and other native features.

For instance, this allows your employees, partners, and customers to read and send Voltage encrypted email on iPhone, iPad, BlackBerry and supported Android devices – with advanced mobile policy control. The solution extends data-centric protection and compliance to mobile email messages and



attachments with a simple, anywhere-anytime native user experience. The 100 percent push email approach is enhanced by granular data security policy control to internal and external messages and integrated user authentication to the corporate directory. Businesses of all sizes can unlock full, rich mobile policies and native app capabilities, delivering immediate value and enhancing Voltage SecureMail deployments.

For more on Voltage SecureMail Mobile Edition, visit [voltage.com/products/securedata-mobile/](http://voltage.com/products/securedata-mobile/)

## 2. Protect Sensitive Data Captured Via the Browser on Mobile Devices

Most companies today use web browsers to conduct business transactions with on-premises, cloud or SaaS applications – on both desktops and mobile devices. Your applications may include CRM, credit card number fraud check and approval, and other enterprise applications. You often must handle sensitive data that will need to be protected right at the browser. It should be easy to implement and easy to use.

### Voltage SecureData Web

Voltage SecureData Web™ protects sensitive information at the browser and keeps it protected all the way to the back-end system such as the payment processor or enterprise data warehouse. This shields the Personally Identifiable Information (PII) or Payment Card Industry (PCI) data from theft in all of the intermediate systems. Where payment data is concerned, PCI Data Security Standard (DSS) compliance scope and costs can be reduced significantly or removed completely when Voltage SecureData Web is properly implemented.

For more on Voltage SecureData Web, visit [voltage.com/products/securedata-web/](http://voltage.com/products/securedata-web/)

## 3. Protect Data Captured With Mobile Payment Devices

New mobile payment methods are showing up every day – whether it's for customer self-service, or in-store mobile payment devices. If these systems touch payment data, they are subject to Payment Card Industry (PCI) compliance regulations. Payment data is the most popular type of data for hackers to target because it is extremely easy to monetize. To protect payment data, it needs to be encrypted right at card swipe and stay encrypted until it reaches the payment processor who then can decrypt and process for settlement.

### Voltage SecureData Payments

Voltage SecureData Payments™ protects cardholder data at all points, from point of swipe – whether payment terminals, mobile terminals, or credit card sleeves or dongle for mobile devices – to authorization, settlement, and beyond to the processor. This eliminates security gaps between devices, networks, databases or applications because only the processor is authorized to decrypt. Voltage SecureData Payments protects cardholder data directly on the mobile terminals, no matter where the information is stored, transmitted or used. Along with sound internal controls, this reduces the risks associated with data breaches.

For more on Voltage SecureData Payments, visit [voltage.com/products/securedata-payments/](http://voltage.com/products/securedata-payments/)

## Voltage Technology Innovations

Powered by ground-breaking encryption innovations, including Voltage Identity-Based Encryption™ (IBE), Voltage Format-Preserving Encryption™ (FPE), and Voltage Page-Integrated Encryption™ (PIE), our innovations open up new ways to securely communicate, new ways to protect sensitive employee and customer data to prevent identity theft, and enable industry-leading ways of encrypting information. Our powerful data protection solutions allow any company to seamlessly secure all types of sensitive corporate and customer information, wherever it resides, while efficiently meeting regulatory compliance and privacy requirements.

## Voltage Mobile Solutions - Use Case Examples

**Secure Email and Document Collaboration:** Executive, legal, and investment teams exchange sensitive email and documents internally and externally using smartphone devices in fast-moving business transactions. Granular policy control leveraging the corporate directory ensures that only the right team members or external parties are authorized to access the email and documents.

**Streamlined Customer Processes through Mobile Channels:** From mortgage documents and other banking and financial information, to confidential legal and/or marketing materials, Voltage mobile solutions offer a way to securely email to customers and partners. As an example, for banking, customer representatives can securely email mortgage or financial product documents to customers with mobile devices as well as desktop systems, with a consistent user experience. Customer service representatives are able to accelerate the mortgage initiation or refinancing process while protecting sensitive data, speeding up customer on-boarding time by over 50% and improving customer satisfaction.

**Mobile Commerce:** Online merchants use their websites to accept payment information securely, without compromising the checkout experience or leading to abandonment at the most critical last step in the sales process—even from mobile shoppers on the go. These storefront websites can securely capture user profile information, which needs to be protected for data privacy compliance and to reduce the risk of compromise from new attacks.

**Mobile Payments:** Some airlines accept credit cards for purchases in-flight using mobile payment sleeves on iPhones. With a Voltage mobile solution, and while the plane is in the air, the credit card information is immediately encrypted and stored in the card-swipe sleeve, and is decrypted by the backend office for processing at the end of the flight. The key to decrypt only exists in the airline's back office.

**Mobile POS:** To improve customer service and increase sales, retailers are adopting the mobile sales agent model. Agents walk the floor with mobile payment terminals or smartphones with payment sleeves to assist customers, and facilitate a transaction immediately so the customer doesn't have to wait in line at the cashier.

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### About Voltage Security

Voltage Security®, Inc. is the leading data protection provider, delivering secure, scalable, and proven data-centric encryption and key management solutions, enabling our customers to effectively combat new and emerging security threats. Leveraging breakthrough encryption technologies, our powerful data protection solutions allow any company to seamlessly secure all types of sensitive corporate and customer information, wherever it resides, while efficiently meeting regulatory compliance and privacy requirements.

For more information, please visit [www.voltage.com](http://www.voltage.com).

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