

# Mobility XE™

The Best-in-Class Mobile VPN  
from NetMotion Wireless



**Greater Security.**  
**Easier Management.**  
**Higher Productivity.**



**mobility**<sub>XE™</sub>

Get Connected. Stay Connected.

# NetMotion Wireless Mobility XE™— the Industry's Leading Mobile VPN

## Mobile VPN—the Fulcrum of a Successful Mobile Deployment

The benefits of mobility are compelling—increased worker productivity, lower operational costs, and improved customer service and support. A successful mobile deployment empowers mobile workers with the resources they need to be effective—resulting in faster business transactions, improved customer service, and ultimately, happier customers and increased revenue.

At the fulcrum of a successful mobile deployment is a **Mobile Virtual Private Network (Mobile VPN)**—providing mobile, wireless workers with secure, reliable, remote access to network resources and information from virtually anywhere. Only a Mobile VPN is designed to deal with the unique challenges associated with mobile computing such as wireless security, performance and roaming.

## Improve Security, Productivity and Management

“From our vantage point, NetMotion Wireless is the clear leader in the space at this point in time.”

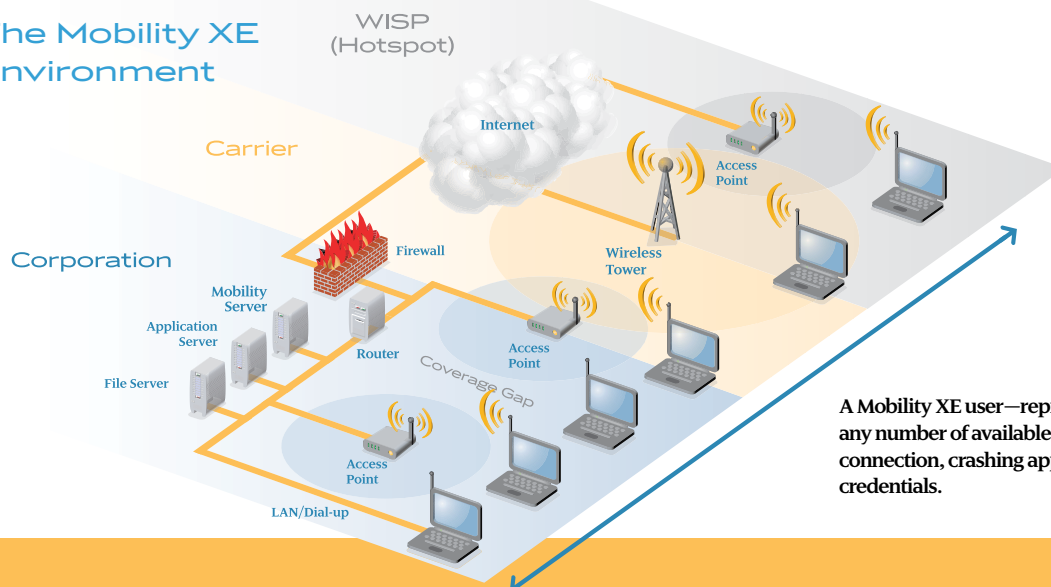
- **Tony Rizzo,**  
**Director, Mobile Research**  
**with The 451 Group**

The best-in-class Mobile VPN is **Mobility XE**—NetMotion Wireless' flagship solution built from the ground up for mobile and wireless environments. Unlike legacy SSL and IPSec VPNs that do not perform well in wireless environments, Mobility XE is a Mobile VPN designed to deal with wireless security, coverage gaps, roaming, performance and handheld device support.

## Easy to Deploy, Software-only Solution

Mobility XE is an easy-to-deploy client/server software solution that helps minimize costs and complexity. Remarkably easy to install, Mobility XE deploys in hours, not days, without custom software development or expensive application rewrites. Its use is transparent to end users—no configuration or training required. Mobility XE server software can be installed on a server behind the firewall or in the DMZ, and lightweight client software is installed on each device—any combination of laptops, tablets, handhelds and smartphones.

## The Mobility XE Environment



A Mobility XE user—represented by a laptop icon—can traverse among any number of available IP-based networks without dropping the connection, crashing applications, losing data or having to re-enter their credentials.

## Proven in the World's Most Challenging Mobile Environments

Mobility XE is used in some of the most mission-critical, highly regulated and technically challenging environments in a wide range of industries including telecom, utilities, healthcare, transportation, government, manufacturing and public safety. Over 1,300 customers have maximized the productivity, security and management of their worldwide mobile workforces with Mobility XE.

### Field Force Automation

Atlanta Gas and Light  
Continental Airlines  
Cox Communications  
Kansas City Power & Light  
Philadelphia Gas Works

### Medical Records and Reporting

Lee Memorial Health System  
Mayo Clinic  
St. Joseph's Hospital  
St. Luke's Episcopal Health System  
Visiting Nurse Service of New York

### Sales Force Automation

Beckman Coulter  
Diamond Partners  
Optident (United Kingdom)  
Unilever  
U.S. Foodservice, Inc.

### Dispatch

Los Angeles County Sheriff  
Miami-Dade Police Dept.  
Orange County Sheriff  
Orlando Police and Fire Dept.  
Vancouver Police Dept.

# Flexible Control over Productivity and Security with Mobility XE Policy Management and Mobile Network Access Control

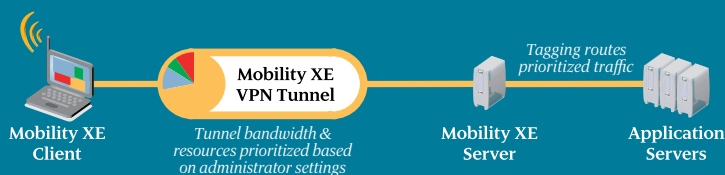
## Policy Management Module

An optional **Policy Management Module** lets administrators create custom policies to manage access to network resources. Conditions and actions can be combined to help control WWAN costs, bandwidth usage and user experience according to your organization's security policies. Basic block, allow, disconnect or pass-through actions can be assigned to parameters such as network interface speed, network name, IP address, date and time, OS version and application name. Policies are centrally maintained in the Mobility XE™ server and automatically pushed out to mobile devices in the field. Policy enforcement is transparent to the user and can be modified for an individual, work group or entire organization.

Practical Policy Management scenarios include:

- Limit access to network resources based on the time of day or network in use
- Automatically synchronize data when a high-bandwidth connection becomes available
- Block bandwidth-intensive applications such as Web surfing or antivirus updates over low-bandwidth networks
- Prevent unauthorized applications from consuming network resources
- Automate hotspot authentication

Mobility XE Policy Management integrates best-in-class **Quality of Service (QoS)** using traffic classification and traffic shaping for even greater control over the speed and quality of mission critical transmissions. Administrators can allocate more or less of the available bandwidth to specific applications. Traffic shaping can significantly improve performance on low-bandwidth networks, like wireless WANs, and is especially important when latency and jitter sensitive, real-time applications such as VoIP or streaming video are being used. Without QoS, all VPN traffic is treated equally and the most sensitive applications are vulnerable to delay.



Mobility XE Policy Management integrates QoS based on traffic classification and traffic shaping to prioritize applications so the most critical ones take precedence for the fastest, smoothest transmission.

**Packet loss recovery (PLR)** improves the quality and performance of real-time application transmissions such as VoIP, video, web conferencing and instant messaging, by automatically replacing lost or missing packets without having to re-transmit them. As a result, Mobility XE can maintain much higher transmission quality than traditional IPSec or SSL VPNs, even on wireless networks.

## Mobile Network Access Control Module

IT administrators who support highly mobile field forces need security solutions that protect their networks without impacting the productivity of the mobile professionals they serve. Mobility XE's **Mobile Network Access Control (NAC) Module** allows devices to connect to the enterprise network only after meeting specified security policies, but gives administrators greater control and flexibility over how and when to administer remediation policies.

Mobile NAC typically deploys in minutes without any need to reconfigure network infrastructure. A NAC wizard makes it easy to configure and enforce access security policies. Administrators can check compliance for required software including antivirus, antispyware, firewall, operating system version, Windows™ Update status, registry keys, and other applications. Unlike automatic security policies that force users to perform time-consuming, non-critical software updates before allowing access, Mobile NAC integrates with Policy Management, giving administrators flexibility and control over the response to a device that does not meet security guidelines. Based on severity and even the speed of their connection, administrators may choose from simple warnings, to triggering customizable remediation policies that can limit application access, launch websites, or even initiate software downloads, to disconnecting or quarantining the device. When rules are updated, they are automatically pushed down to client devices, and devices are automatically rescanned at regular intervals to ensure ongoing compliance.

“With Policy Management, we can easily monitor and manage our mobile workers, including what applications and wireless networks they connect to. Policy Management is an invaluable tool for us.”  
– **George Vinson,**  
**Director of IT with Strack, Inc.**

# Leading Edge Technology—Unparalleled Security, Pro

Mobility XE™ security and functionality are tightly integrated to provide secure, seamless operation as users traverse multiple networks and the best possible performance over wireless

“We just loved the whole idea of NetMotion Mobility and the simplicity of implementation... it was logically the best choice.”

- **Neriah Roberts, Network Engineer with Continental Airlines**

networks. Mobility XE allows enterprise application servers to identify each client with the

same, unchanging virtual IP address—even as clients transition between networks and are assigned a new and different IP address every time they cross a boundary. Without the virtual IP capability, it would be almost impossible to identify a client as it moves in and out of network coverage areas.

## Maximize Productivity with Single Sign-On Authentication

Unlike other VPNs that require a separate login step and force users to re-login every time they lose connectivity, Mobility XE can provide single sign-on authentication with standard Windows® login credentials. This feature saves mobile workers valuable time as they traverse networks and coverage areas, and provides a transparent user experience with no additional steps to learn or passwords to remember. Single sign-on authentication combined with VPN enforcement also helps prevent users from circumventing the VPN security.

## Protect Networks with Two-Factor Security and Strong Encryption

Mobility XE supports multiple two-factor authentication types including PKI smart cards and X.509v3 user certificates using RADIUS

EAP, and direct support for RSA SecurID. These methods provide flexibility for complying with strict government security

“Integrating standards-based security that includes RSA SecurID two-factor authentication and AES encryption into Mobility XE gives us greater confidence that our network and data will remain secure.”

- **John Marshall, Senior Vice President - Delivery with Kansas City Power & Light**

mandates. Mobility XE also secures network access and all data transmissions to and from mobile devices over the VPN tunnel, using **FIPS 140-2 validated AES encryption**—the industry’s highest security standard. It provides the security advantages of an IPSec VPN without the configuration, client provisioning and management burdens. And because mobile device loss or theft can compromise information on the device and the network, Mobility XE allows network administrators to quickly quarantine lost or stolen devices, and restore access easily on recovery.

## Ensure Critical Applications are Always Available

No other VPN can match Mobility XE’s **Application Session Persistence**—its ability to sustain application sessions even through suspend-and-resume cycles and loss of connectivity. Other VPNs in these situations lose application sessions—causing data loss and corruption, and forcing users to re-login and restart applications. If a user loses connectivity while an application is transmitting data, Mobility XE suspends the transmission—for days if necessary. As soon as connectivity is re-established, Mobility XE resumes transmitting the data at the exact point the application was interrupted.

“We needed to establish an architecture which met the full variety of demands across our global business operations. NetMotion Mobility XE is the only product which met all our requirements for the project including secure and persistent application connectivity for a variety of PDA devices.”

- **Richard Oxenham, Mobile Solutions Specialist with Unilever**

## Roam Seamlessly Across Networks

Mobility XE does not require re-authentication when a user roams to a new network. This **InterNetwork Roaming™** capability allows users to securely and reliably traverse any combination of wired and wireless IP-based networks. There is no need to re-segment networks, implement VLANs or deploy additional hardware to enable mobile workers to roam freely. This feature works in conjunction with Mobility XE’s single sign-on and network session persistence so that users do not have to repeat the login process when they roam, suspend and resume, or go in and out of network range.



# About NetMotion Wireless

NetMotion Wireless is a software company that enables organizations to maximize the productivity of their mobile workforces. The company's flagship solution, Mobility XE, allows mobile workers to maintain and optimize mobile data connections as they move in and out of wireless coverage areas and roam between networks. Mobility XE mobile VPN software resolves today's key mobile deployment challenges including coverage gaps and interruptions; inter-network roaming; performance issues and network security. Over 1,500 organizations worldwide rely on NetMotion everyday. NetMotion has been named one of the country's 50 fastest growing wireless companies and has earned over 25 industry awards for its outstanding technology.

For more information about NetMotion Mobility XE contact:

## NORTH AMERICA

NetMotion Wireless

701 N 34th Street, Suite 250  
Seattle, WA 98103  
United States

TEL 206.691.5555

FAX 206.691.5501

[www.netmotionwireless.com](http://www.netmotionwireless.com)

## NORTHERN EUROPE

NetMotion Wireless, Ltd.

4 Mandelbrote Drive  
Oxford, OX4 4XG  
United Kingdom

TEL +44 (0) 1865 714814

FAX +44 (0) 2076 919487

[northerneurope@nmwco.com](mailto:northerneurope@nmwco.com)

## SOUTHERN EUROPE

NetMotion Wireless, SARL

49 rue de Ponthieu  
75008 Paris  
France

TEL +33 615 49 40 40

FAX +33 144 95 14 14

[southerneurope@nmwco.com](mailto:southerneurope@nmwco.com)

## CENTRAL & EASTERN EUROPE

NetMotion Wireless GmbH

Spichernstrasse 75-77  
D-50672 Köln  
Germany

TEL +49 6174 256 393

FAX +49 6174 256 395

[centraleasterneurope@nmwco.com](mailto:centraleasterneurope@nmwco.com)

## Certifications and Awards



© 2009 NetMotion Wireless, Inc. All rights reserved. NetMotion and NetMotion Mobility are registered trademarks, and Mobility XE, Roamable IPsec, InterNetwork Roaming, Best-Bandwidth Routing and Analytics Module are trademarks of NetMotion Wireless, Inc. Microsoft, Microsoft Windows, Active Directory, ActiveSync, Internet Explorer, Windows Mobile, Windows Server, Windows XP, SQL Server, Windows XP Tablet PC Edition and Windows Vista are registered trademarks of Microsoft Corporation. All other trademarks, trade names or company names referenced herein are used for identification purposes only and are the property of their respective owners. NetMotion technology is protected by one or more of the following US Patents 6,198,920; 6,418,324; 6,546,425; 6,826,405; 6,981,047; 7,136,645; 7,293,107. Other US and foreign patents pending.

\*TM: A Certification Mark of NIST, which does not imply product endorsement by NIST, the U.S. or Canadian Governments.