iMotion

ENTERPRISE

Comprehensive for Real-World Challenges

GlobeRanger's iMotion™ Edgeware™ platform serves as the foundation for RFID, Mobile and sensor-based solutions, providing a platform runtime, software development kit (SDK), application components, and tools for rapid application development and deployment. Built to intelligently extend existing enterprise applications to take advantage of emerging edge technologies, iMotion provides the critical software infrastructure layer that resides between the data-collection devices and back-end systems to manage devices, networks, data and processes, enabling real-time response.

INTELLIGENT

KNOW WHAT IS HAPPENING AT

The Edge of the Enterprise

- Built for enterprise-wide, multi-site production deployment
- Supports bar-code and multiple RFID protocols
- Distributed event and workflow management
- Visual tools and emulation capabilities
- .NET Framework and runtime

GlobeRanger™

iMotion

Uniquely Powerful

Hybrid Technology Support – iMotion can easily integrate a variety of data collection technologies, from barcode scanners to RFID readers, remote sensors, and control system actuators. iMotion's capability to support hybrid technologies and seamlessly integrate multiple RFID protocols in one application means you are not locked into a proprietary solution and can evolve with dynamic changes in RFID and Mobile technologies.

Distributed Event and Workflow Management – iMotion's distributed architecture enables business intelligence and processing on a variety of devices which allow for information management closer to the data-collection point, thus improving scalability and reducing network load. Distributed event and workflow management executes user-defined rules to identify critical events and provide alerts and notifications for enterprise systems.

Standards Based and Enterprise Ready – iMotion is built entirely on Microsoft's .NET Framework and utilizes Web Services for data exchange and integration. This facilitates straight-forward integration with existing systems, rapid applications development, and easy customization.

Inherently Mobile

Enterprises today are extending their reach and visibility far beyond four walls. More than ever, wireless technologies are becoming a critical element in any supply chain solution. iMotion is designed from inception to easily extend applications into a mobile environment.

Reliable Communications – iMotion guarantees message delivery and efficient network utilization through the optimization of Web Services for the mobile environment. This platform capability ensures the continued operation of a distributed application when the network is unavailable and guarantees message delivery when connectivity resumes.

Device and Network Independent – iMotion allows you to select the most appropriate data capture equipment and communications network for your needs. From wide-area wireless networks to wireless LAN and traditional wired networks, iMotion can manage multiple modes of communications within one application.

Secure and Efficient – iMotion's Wireless Communications Protocol supports the highest level commercial-grade encryption to ensure your company's data is protected. Wireless data payloads can also be compressed for cost effective network usage.

Built for Mission-Critical Solutions

Developed to meet the performance and usability standards expected by enterprise customers, iMotion brings together critical solution components on one powerful platform.

Enterprise-grade Device Infrastructure Management – Gain full insight and control of your edge device infrastructure through iMotion's edge management console for single or multi-site production environments. Extend existing network management visibility to the edge by tapping industry-standard SNMP and WMI data sources. Use iMotion's enhanced Application Level Events (ALE) service to efficiently define data processing requirements based on business needs and context.

Extensible Framework for Development and Customization – iMotion includes a comprehensive software development kit (SDK), enabling third parties to develop custom application components. The SDK is integrated with Visual Studio .NET via templates and add-ins for rapid ramp-up with minimal training.

Visual Tools – iMotion's Workflow Editor, Device Emulator, and Event Monitor are visual tools, making them accessible to business consultants and system engineers, as well as application developers, streamlining the overall solution process.

Rapid Applications Development and Deployment – To speed applications development and deployment, iMotion includes pre-developed libraries of device adapters, application components, and tools, enabling the rapid building and customization of solutions.

Web Services Based Data Exchange and Integration – iMotion leverages industry-standard XML Web Services in order to facilitate integration with enterprise applications. The use of Web Services also makes application development easier through Microsoft's .NET Framework and Visual Studio .NET.

Redefining Real-Time Responsiveness

Responsiveness is a key competitive advantage in today's dynamic marketplace. With the emergence of low-cost RFID, mobile and sensor-based technologies, information about assets and inventory in motion is increasing exponentially. Real-time responsiveness means not only capturing accurate data continuously, but intelligently transforming raw data into relevant business events at the point where action can be taken. GlobeRanger's iMotion platform provides the software foundation for companies to quickly develop and deploy edge applications, with the flexibility to evolve with changing standards and scalability for enterprise-wide deployments.

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