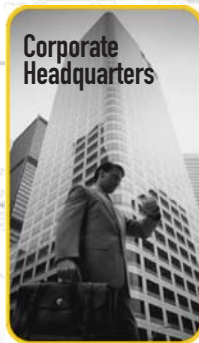


## Real-Time Connectivity for Mission-Critical Environments

X Message Server middleware acts as a real-time enterprise-wide data switchboard for geographically dispersed businesses, enabling data movement at the site and across the enterprise. Lightweight yet exceptionally scalable, XMS can be used to provide application-to-application messaging over a single site's LAN or to broadcast/multicast data at an enterprise level via an IP-based communications infrastructure handling thousands of concurrently connected sites.

Able to accommodate growth in systems, data, sites, and users, XMS offers significant advantages over traditional data transfer technologies, which limit through-put and offer potentially cost-prohibitive barriers to scalability.



Corporate Headquarters



Internal Users



Remote Users



Remote Sites



Remote Systems

*XMS brings together systems, sites and users.*

### Key Features

Scalable architecture

Open, platform-independent design

Small footprint and lightweight resource requirements that enable operation on embedded data collection applications

A robust, IPSec/CSF-based security framework that guarantees data security using the public Internet

User-defined data types and distribution hierarchies

Message prioritization and aging

Data transmission to multiple sites

Simultaneous transmission of multiple data streams from a single site

Persistent store-and-forward data queuing that guarantees data delivery even when off-site recipients are unavailable for a period of time

Data delivery status monitoring and problem notification

Automatic data compression available by data type

Back-up connectivity strategies

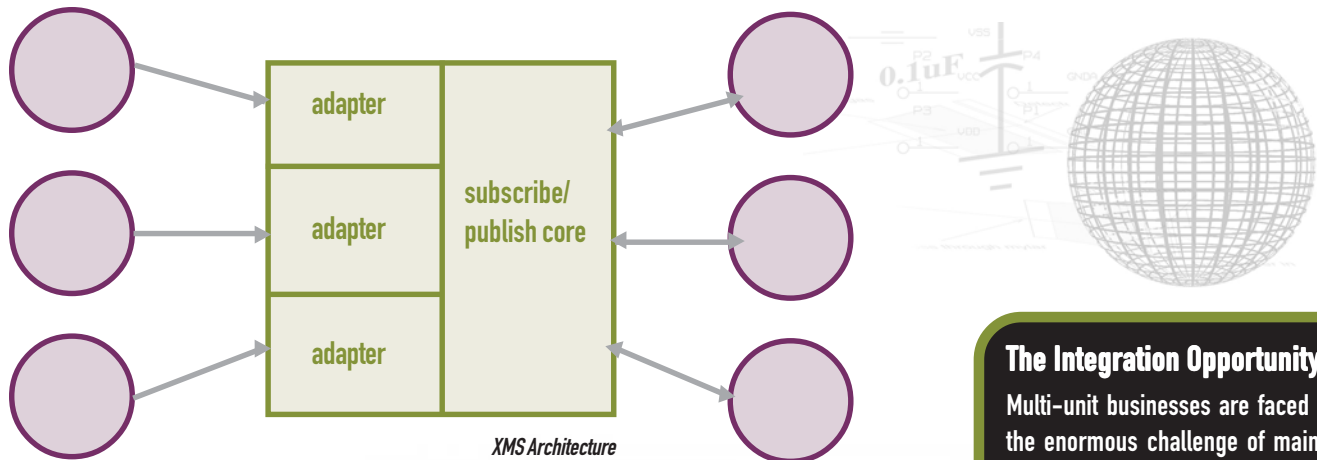
Comprehensive Software Development Kit

# Bringing Business Together

## How XMS Works

Built on a subscribe/publish metaphor, XMS uses socket-based communications to gather and route data. Each registered producer publishes data without a specific consumer in mind and sends it to the XMS core. From the core, data is pushed to subscribing consumers. The subscribe/publish model provides flexibility in extending the range of uses for a given data type. In addition, XMS allows a single application to implement multiple producers and consumers and to exchange messages in any format.

The integration module needed to collect data from third-party systems will vary by application. However, XMS enables third parties to create integration modules independent of the core XMS code.



XMS does not require a database and runs without any type of user interface. It is an ideal solution for multi-point data collection and distribution networks that require zero administration options.

## Connectivity

XMS can operate in an always-on environment such as DSL, GPRS, Frame Relay or Satellite or on a scheduled basis via a dial-up connection. The application provides for primary and back-up connectivity strategies.

## Platforms

A version of XMS written in 100% pure Java allows developers to write programs that use the XMS API on any platform supported by Java, including Personal Java as well as J2ME. This version supports any Java Virtual Machine from 1.1 through 1.5. Core XMS does not utilize any Java UI components.

There are generic C versions of XMS available for any Win32 Windows platform and for SCO Unix.

## The Integration Opportunity

Multi-unit businesses are faced with the enormous challenge of maintaining integration across systems while acquiring or upgrading new technologies—both at the site and throughout the enterprise. Because XMS is built as a framework that accepts plug-in, system-specific integration modules for both data input and data output, it can be used to mask the differences between disparate systems at a site level.

In addition to one-point system integration, XMS enables data movement throughout the enterprise for complete automation of business processes across a full range of legacy, custom, and packaged systems.

XMS offers the opportunity to create common messaging environments not only for projects in-use and planned for today's IT environment—but for future environments as well.

