

## The Ultimate Partner for **Mobility** and **Connectivity**

WaveSoft is an industry leader in providing true native Microsoft Mobile solutions with open wireless and database connectivity. Our core business is to complement today's Point-of-Sale system providers by designing mission critical, cost effective open handheld technologies. Our development team has substantial experience in implementing real-time data-driven mobile system interfaces since 1996. The wBox product range meets the highest quality and mobility demands of the hospitality and retail industries.

### Partnering with Wireless

To respond to customer demands and growing competition, many companies face the prospect of wireless-enabling their desktop applications with the arrival of open handheld technologies. In an age when a new mobile technology emerges every few months, it is very challenging for solution providers to deal with the plethora of requirements, platforms, hardware and protocols and to take advantage of new technologies. These technological issues are associated with high development costs/risks which could easily obscure the primary objective of the application. This leverages directly on WaveSoft's expertise of developing wireless interface solutions that can be easily configured and integrated to existing business systems.

Through many years of continuous technical commitments, WaveSoft has established a wealth of native mobile application modules and underlying component libraries to meet a wide spectrum of handheld software and hardware requirements. The innovative wBox Software Development Kit with open XML support provides seamless system integration to existing Point-of-Sale solutions with minimum development effort. wBox is the world's first true PocketPC POS since 1998, it has been successfully implemented as an integral POS system to a substantial user base worldwide through WaveSoft solution partners.





## TECHNOLOGY WITHOUT COMPROMISE

**Our technology** increases competitiveness and revenue for existing POS system providers by delivering immediate availability of powerful handheld solutions. The unique offline capability, automatic system recovery and dynamic data security address the most critical mobile computing needs for the vertical industry.

### Appeal and Challenges

While the appeal of the mobile services to the vertical industry is obvious, performance standards are also exceptionally high - and services must work, every time. Given the patchwork of wireless networks, conflicting protocols, and incomplete geographic coverage, as well as poor handheld battery life, the number of challenges is high. For example, what happens when a connection is dropped halfway through a data transfer, how can the process be verified and resumed, and how can a mobile solution remain functioning at poor or no wireless coverage. **Hybrid online/offline processing capability and real-time fault tolerance/recovery functions address several critical issues for mobile computing.**

### WaveSoft Wireless Middleware Server

WaveSoft has identified the complexities of wireless data facilitation and resolved them by developing the native thick-client system model and a scalable 3-tier wireless application framework. WaveSoft Wireless Middleware Server (WMS) is a next generation, component-based architecture at the heart of WaveSoft wireless applications. WMS is designed to bridge the gap between handheld applications and existing business systems. **It offers a highly secure, robust and scalable system framework for wireless implementation today.**

WMS brings its full power to WaveSoft wireless application development by:

- Delivering a centralized middle-tier application programming interface (API) and services.
- Providing major communication functions for message dispatching, traffic control, event log, security and error handling etc.
- Encapsulating communication protocols and functions in easily accessible objects.