



Softwired iBus Micro Client for Telematics and M2M Systems

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The [Softwired iBus Micro Client](#) packaged with the [Softwired iBus Mobile Platform](#) enables standards based mobile data communication for embedded devices in Telematics and Machine-2-Machine [M2M] systems.

Softwired's Micro Client library size is only 13K with features listed at [iBus Micro Client](#) and is bundled with Softwired's iBus Mobile Platform solution which enables real time, guaranteed data delivery over fragile mobile networks.

Softwired's Micro Client is based on IMP, a subset of the MIDP profile from the Java Standard ME, which is deployed in hundreds of millions of mobile phones and PDA's. Softwired's Micro Client is targeted for deployment on devices called Information Modules [IMs] which are small, have limited memory and processing capability and designed for standalone operations. IMP defines the architecture and the associated APIs needed to provide a Java environment for developing *IMlets* - applications intended to run on networked embedded devices - IM's whose resources are limited, lack rich interaction capabilities such as display and input mechanism to support a sophisticated GUI but require many of MIDP's capabilities.

Business Functionality, Benefits and Applications

The main functionality provided by IM's is data capture and aggregation relevant for operational processing, analysis and decision making purposes. The tracking, monitoring, remote diagnosis and control of valuable operational assets are key benefits of IM deployments.

IMP based IM's are targeted primarily for Telematics and Machine-to-Machine [M2M] Systems which are designed to communicate without human intervention. In such systems intelligence is embedded in the communication devices for deployment with business applications for:

- Logistics and Fleet Management Systems [L&FMS] such as vehicle telematics and cargo tracking,
- Security and surveillance: access and mobility control, surveillance, and asset monitoring
- Remote metering and monitoring: utility meters, parking meters, vending machine control
- Sales and payments: vending machines and point-of-sales [POS] terminals

Softwired's Micro Client is a member of industry proven Softwired mobile client libraries for a large range of mobile devices, developed and released with Softwired's iBus Mobile Platform for standards based reliable and guaranteed data communication over both wireline and wireless bearers including WLAN, GPRS and 3G-4G.

Business organizations running Softwired iBus Mobile Platform will find deploying IM's within their logistics and supply chain operations very simple. IM's incorporating Softwired's Micro Client and Softwired iBus Mobile integrate transparently via JMS with any Java Enterprise Edition compliant backend such as SAP ERP - BPO, Oracle Siebel, IBM, BEA Weblogic and others. Firms can deploy IM's in the knowledge that they are fully supported by standards based Softwired iBus Mobile Platform, a leader in reliable mobile data commutation for smartphones, mobile handheld scanners, PDA's, Laptops and embedded mobile devices.

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The Softwired TEAM

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