

# Seamless Mobility

## Overview

Freescale Semiconductor's vision for Seamless Mobility is to provide a continuous, intuitive experience for mobile consumers. As such, Seamless Mobility allows access to mobile multimedia content with automatic switching between protocols, networks, bands, and physical environments. The consumer is continuously connected to relevant content, which is automatically synchronized, while individual content preferences are predictive and persistent.

Seamless Mobility handhelds are ultra-converged devices, with a multitude of complex enabling technologies that connect cellular to non-cellular networks. They provide

seamless access and connectivity across personal, local and wide area locations. However, hand-offs between the technologies are transparent to the user, allowing a simplified, seamlessly mobile experience.

## Connectivity and Interoperability

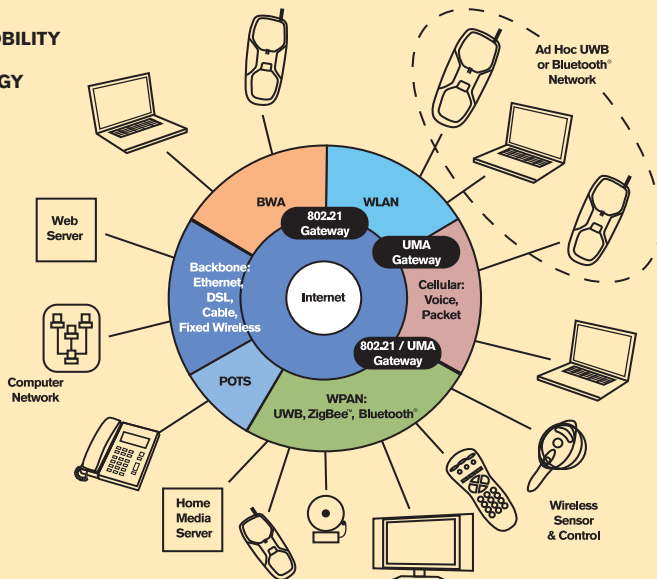
Freescale's vision for Seamless Mobility can be employed for simple communication, multimedia entertainment, productivity and a wide variety of daily functions. It seamlessly connects users across multiple spaces such as home, office, car, hotspots, airports, campuses and beyond. This experience goes beyond optimizing geographical coverage; it provides both network interoperability and interoperability of applications and content

across a wide variety of devices. This aspect of seamless mobility also creates the ability to gain wireless access, gather data, and instantaneously upload data to and from consumer electronics appliances, sensors, and alarms.

## Comprehensive Solution

To achieve this vision, Freescale is creating smart, synchronized and connected wireless platforms, allowing for seamless handoffs between networks. Freescale Semiconductor provides a full portfolio of products to enable seamless mobility with a rich array of wireless connectivity and multimedia solutions.

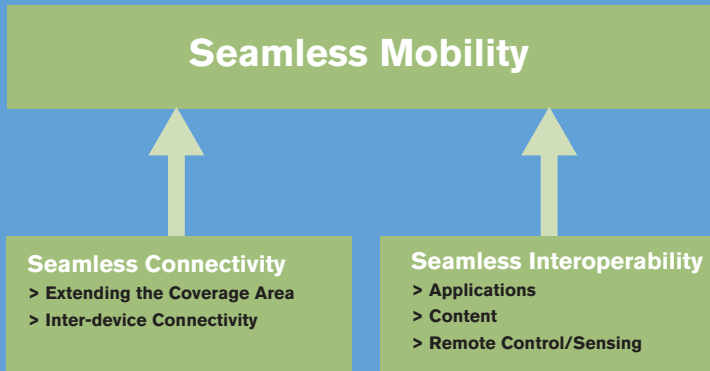
## THE SEAMLESS MOBILITY NETWORK TOPOLOGY



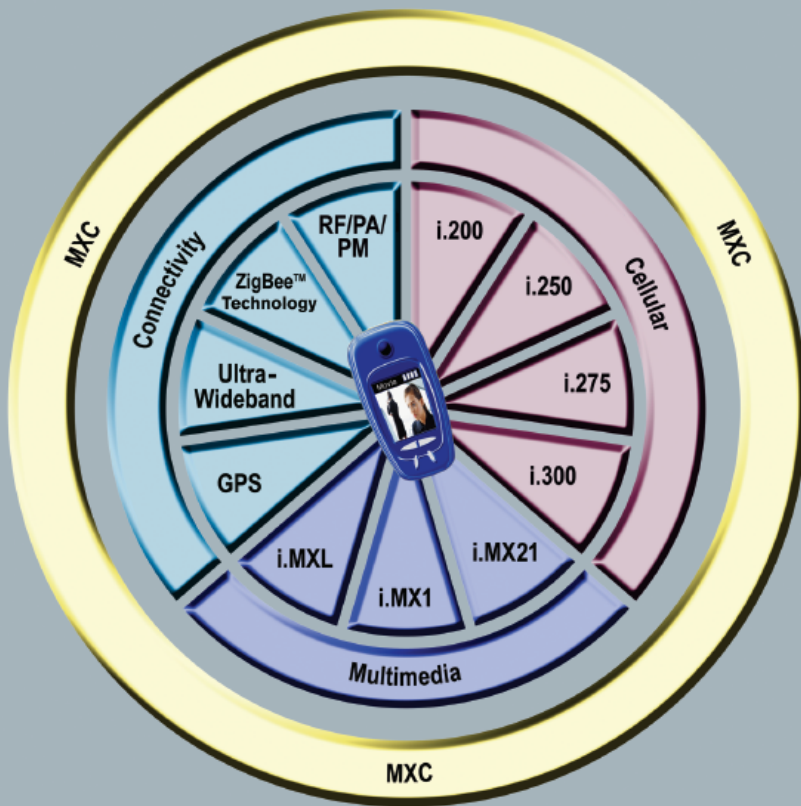
*"[Freescale] continues to invest as much as the market leaders in R&D...and it has a more diversified portfolio than its competitors."*

ABN AMRO, March 2004

SEAMLESS MOBILITY CORE COMPONENTS



FREESCALE'S SEAMLESS MOBILITY PORTFOLIO



**The Freescale portfolio includes:**

- > **Cellular Platforms:** Freescale's Innovative Convergence wireless solutions include the i.200, i.250, i.275, and i.300 cellular hardware platforms for 2G, 2.5G, EDGE, and 3G, complemented by proven software, reference designs, integrated development environments, and radio and manufacturing testing tools. For more information, please visit: [www.freescale.com/wireless](http://www.freescale.com/wireless)
- > **RF Solutions:** RF front-end, power management and power amplifier solutions designed to meet performance, power and size targets, while simultaneously providing cost savings. For more information, please visit: [www.freescale.com/wireless](http://www.freescale.com/wireless)
- > **Connectivity Solutions:** A ZigBee™-ready scalable platform for low data rate wireless networking, for monitoring, control and automation applications. For more information, please visit: [www.freescale.com/zigbee](http://www.freescale.com/zigbee)
- > **Ultra Wideband:** The industry's first Ultra Wideband (UWB) chipset for high data rate multimedia applications requiring the wireless distribution of audio and video. For more information, please visit: [www.freescale.com/uwb](http://www.freescale.com/uwb)
- > **Multimedia Processors:** The i.MX family of applications processors for smart, mobile, multimedia devices. The i.MX family is one of the most widely shipped processors in the world, with more than 60 million shipped since 1995. For more information, please visit: [www.freescale.com/imx](http://www.freescale.com/imx)
- > **Mobile Extreme Convergence:** The highly integrated Mobile Extreme Convergence (MXC) architecture that combines wireless communications and processing functions around a single core modem with a shared memory subsystem. MXC provides connectivity to PAN, WLAN and WAN environments as a fundamental building block for true Seamless Mobility. For more information, please visit: [www.freescale.com/mxc](http://www.freescale.com/mxc)

**Learn More:** For more information about Freescale products, please visit [www.freescale.com](http://www.freescale.com)

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