

Making M2M Simpler



Kevin Rhoads
VP, Embedded Products
November 17, 2011



M2M – Where do we start?

» Let's take a look at the challenges:

- Developing an M2M solution needs to be simple and affordable
- Risks must be minimized by selecting a proven quality solution from best in class providers (e.g., Intel, Kontron, Wind River, Eurotech)
- Reducing complexity is key
- Integration with current IT infrastructures
- Service and Support – all aspects (hardware/software)
- Platform must be of the highest quality, capable, and scalable

» Common elements in all industries looking to deploy successful M2M smart services:

- **Secure...seamless...connected computing**
 - Securely transferring data from device to cloud, cloud to client
- **Ease of Use**
 - Turning data into automated actions!
 - E.g., create ERP trouble tickets
- **Location Based Services**
 - Reporting and requesting based on real-time conditions
 - Knowing the status of assets, 7 days a week, 24 hours a day

» Kontron M2M Smart Services Development Kit

- Low entry cost hardware platform for developing a multi-service gateway/direct node
- Designed for ease of volume manufacturing
- Powerful computing at the network edge



Features:

- Kontron's nanoETXexpress-TT
- Intel® Atom™ Processor E6xx Series 600 MHz
- 1x PCIe Mini Card slot for 3G/4G
- Intel® Centrino® Advanced N 6205 Wi-Fi Module
- ZigBee 802.15.4 WPAN Radio & Accelerometer
- USB and Gigabit Ethernet ports
- MicroSD card support
- Chassis designed for application and mounting flexibility

» Simplify development and deployment with a fully-integrated approach:

Integrated software stacks/drivers

Wind River Linux 90 day trial

LiveUSB with software demos/tools

2x HDMI

WWAN, WLAN & WPAN Connectivity

Accelerometer

Modular architecture



Intel® Atom™ processor- based USB, Ethernet, MicroUSB, MicroSD ports

» Kontron M2M Smart Services Kit and world-class Ecosystem support provide:

- Accelerates and Increases ROI
- Reduces TT\$
- Reduces OPEX
- Reduces Risk
- Supports location based services
- Fully-integrated solution, ease of use
- Supports fast connectivity
- Faster TTM
- Consistent Global Support
- Scalable and innovative solution
- Modular architecture
- Supports IA platform roadmap
- Growing M2M Device roadmap

» Ecosystem of partners provide your applications:

- Scalable system level building blocks with Kontron M2M Smart Services Developer Kit
- Full suite of connected device compatibility with hardware, solution software, services and support
- Ecosystem of global market leaders with a track record of success

» For more information, please visit:

- www.kontron.com/m2m

