Moblin for MID Platform

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# Wind River Definition of Moblin/MID

**INTERNET IN-MOTION**

Wanted by ultra-mobile users

Get **FULL** access to the Internet
Get **FULL** set of applications in your pocket

## Mobile Internet Device (MID)

- Entertainment
- Staying in touch
- Information access

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### Entertainment
- Camera/Video
- Games
- Pictures
- Music
- Internet Browsing

### Information
- LBS
- GPS Directions
- Weather, Stock, News
- Internet Browsing

### Communication
- IM/Chat
- Telephony
- Messaging
- 3G, WiFi
- Social Networking

### Productivity
- Office tools
- Email
- Calendar
- Notepad, To-Do
- Internet Browsing
Wind River Moblin Stacks and Service

- Wind River FAST®
- Professional Service
- Moblin UI/UX
- Moblin Build System
- Moblin ISV

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Target Device Form-Factor

- HW button specification is to be defined as ‘Key Idea decision’ develops.
- Assumed that HW sensors such as Ambient light censor & Accelerometer will be built in.
- Software keyboard is being considered
Wind River Moblin UI and GUI

Screen sample 1: Home Screen

Quick scroll using flick gesture

Screen sample 2: Time Machine

Faster flicking let user to move into ‘Quick Scroll mode’ that helps him/herself to navigate multiple home screen faster and easier.

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Wind River FAST® for Moblin
A Wind River Exclusive Feature

A test framework that streamlines the SQA workflow through an automated process of dynamic testing, diagnosing, and resolving defects across the software stack.
Wind River Build System Architect
A Wind River Exclusive Feature

Designate Run-Time Components

- BSP and Layers (Kernel, Packages, Contributions)
- Project Creation
  - Process information included in layers and added to project repository
- Package Selection
  - Manage footprint
  - Simulate target
  - Create bootable image

Build Run-Time Components

- Binaries (Sysroot, Kernel, RPMs)
- Edit, Compile, Debug
  - Apply operating system and hardware-specific patches
- Source Level Configuration
  - Incorporate changes and contributions contained in layers
- Patch Conflict Resolution
  - Compile using architecture-specific toolchain to generate project binaries
- Toolchain and Wrappers
- Package and Deploy Run-Time Components
  - Manage footprint
  - Simulate target
  - Create bootable image

Customer Benefit

Dramatically reduces the complexity of multi-project management and enables faster time-to-market
- 85 BSPs
- >17.5M line of code
- Over 4,000 tests with 42,000 Man hours of test engineering

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Wind River Professional Service Team

Services Team
- 350+ employees
- Partial and full product enabling services

Office Locations
- San Diego
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Wind River Roadmap for MID FP
Preliminary

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