Linpus Lite MeeGo Edition: Enabling MeeGo for Production

Tim Yang
Linpus Technologies Inc.
July 2010
Agenda

- MeeGo Overview
- Linpus and MeeGo
- Linpus Lite for MeeGo – Netbook Edition
- Linpus Lite for MeeGo – Slate Edition
MeeGo Strategy – Spans Multiple Segments

- Netbooks & Entry Level DT
- Tablets
- Smart TVs
- Handhelds
- In-Vehicle Infotainment
- IP Media Phones

**Intel® Atom™ Developer Program & Intel AppUp™ Center**

**Single Unified Operating Environment**

**Platforms based on Intel® Atom™ processors**

**MeeGo is a continuation of Intel’s Atom software strategy execution**
## MeeGo v1.0 for Netbook

### Netbook Feature List

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core UI</td>
<td>Configurable and pluggable toolbar with configuration utility</td>
</tr>
<tr>
<td></td>
<td>Redesigned Date/Time applet</td>
</tr>
<tr>
<td></td>
<td>Redesigned Social Networking and Messaging UI</td>
</tr>
<tr>
<td>Browser</td>
<td>Chrome (Chromium as backup) with Firefox remaining a maintained option</td>
</tr>
<tr>
<td>Multimedia</td>
<td>Tracker for content management, getstreamer for decoding and improved Media player's application</td>
</tr>
<tr>
<td></td>
<td>Improved Cameras application UI</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Latest CommXen with WiFi, WiMax, VPN and Static IP support</td>
</tr>
<tr>
<td></td>
<td>3G data with multiple device support*</td>
</tr>
<tr>
<td>Email &amp; Calendar</td>
<td>New email and calendar client focused on simplified user interface and support for popular webmail services</td>
</tr>
<tr>
<td>Middleware</td>
<td>Touch &amp; Gesture: Added and improved touch and gesture support to core middleware enabling touch capable application development</td>
</tr>
<tr>
<td></td>
<td>Qt 4.7 and Qt based reference applications</td>
</tr>
<tr>
<td>SDK</td>
<td>Qt Creator</td>
</tr>
</tbody>
</table>

* 3G data with multiple device support available in the future.
MeeGo for Handset
MeeGo for Slate
Intel AppUp Center

App Store for MeeGo*
- [http://appup.intel.com](http://appup.intel.com)
- Co-Branded stores in development

Community Strength
- 3.3M mobile/wireless developers worldwide
- 267K developers; up 220% YoY
- Developers growing 3x faster than general mobile/wireless developer population

*Evans Data Corp – Dec 2009
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Linpus and MeeGo Achievements

- Linpus was a key OSV in the Moblin portion of the MeeGo project for more than two years, pioneering a number of notable achievements:
  - Acer Aspire One was the first product to ship with Moblin based technology inside.
  - The fastest OSV to have a commercial edition based on Moblin 2.0 with the Moblin UX.
  - 2010 – Linpus Lite Moblin based version with Linpus enhancements successfully shipped on some of the world’s leading OEM’s netbooks and notebooks.
Product Roadmap

Q4/'09  Q1/'10  Q2/'10  Q3/'10  Q4/'10  Q1/'11

Molbin V2.2
MeeGo V2.2
MeeGo v1.0
MeeGo v1.1

MeeGo Public Community Releases

Linpus MeeGo Editions

Linpus MeeGo (Netbook)
Linpus MeeGo (Slate)

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Social Networking Category
Network Manager
IBus
Online Update
Desktop Switch
Power Manager

Battery state
- Percentage charge: 99%
- Power Consumption: 11.10 W
- AC Adapter: unplugged

Your battery is being used. It is about 99% full.
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# Tablet and Netbook Comparison

<table>
<thead>
<tr>
<th></th>
<th>Tablets</th>
<th>Netbooks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form Factor / Configuration</strong></td>
<td>Screen Size: &gt;7”                                                              Weight: 0.6 - 1K                                                              Limited I/O &amp; storage capacity</td>
<td>Screen Size: 8.9” - 10.2”                                                              Weight: ∼1K                                                              Clamshell or Convertible/Tablet                                                              Rich I/O &amp; higher storage capacity</td>
</tr>
<tr>
<td><strong>Primary Input</strong></td>
<td>Touch, Stylus, Soft keyboard</td>
<td>Physical keyboard, Mouse Pad, Touch on some models</td>
</tr>
<tr>
<td><strong>Usages</strong></td>
<td><strong>Primarily Content Consumption</strong> Text / Photo / TV viewing Audio / Video playback Video conferencing Handwritten note taking Basic Web browsing</td>
<td><strong>Tablet Usages PLUS:</strong> E-mail, IM chat, Basic productivity (Word docs, spreadsheets, etc) Immersive web browsing</td>
</tr>
<tr>
<td><strong>Usage Position Locations</strong></td>
<td>Hand held or docked On the couch, kitchen, bed, on-the-go</td>
<td>Hands free - on lap or table, At home, train/airplane, café, on-the-go</td>
</tr>
<tr>
<td><strong>System Price Point</strong></td>
<td>$349 and Up</td>
<td>$249-$399</td>
</tr>
<tr>
<td><strong>Potential Consumer</strong></td>
<td>Tech savvy and media thirsty consumers, early adopters</td>
<td>Secondary or nth device for PC owners, Intro to computing for first time buyers</td>
</tr>
</tbody>
</table>
Tablet Usages

Communicate
- Light Email & Social Network
- Location-based Services
- Voice Over IP (VOIP)
- Interactive Applications

Read
- eBooks, Newspapers, and Magazines
- Interactive Media
- Educational

Watch & Listen
- IP TV, Streaming Video
- Audio Streaming
- Local HD Content Playback
- Photo Viewing

Play
- Basic Gaming
- Interactive Gaming
- Multiplayer

Browse
- Surf the Web
- Read the News
- Services and Apps
## Comparison of Two Editions

<table>
<thead>
<tr>
<th></th>
<th>LL MeeGo for Netbook</th>
<th>LL MeeGo for Slate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Market</strong></td>
<td>Netbook and Notebook</td>
<td>Slate and Tablet PC</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Intel Atom (Pinetrail) Intel Centrino (Calpella)</td>
<td>Intel Atom (Moorestown, OakTrail) and ARM</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>1024x600, 1024x768, 1366x768, 1600x900, 1920x1080</td>
<td>1024x600, 1024x768, 1366x768</td>
</tr>
<tr>
<td><strong>Rotation</strong></td>
<td>No</td>
<td>Portrait and Landscape</td>
</tr>
<tr>
<td><strong>Touch</strong></td>
<td>Yes</td>
<td>Yes (Multi-touch)</td>
</tr>
<tr>
<td><strong>UI Framework</strong></td>
<td>GTK+ and Clutter</td>
<td>Qt and MeeGo Touch Framework</td>
</tr>
</tbody>
</table>
Key Features

- Full MeeGo Touch Framework with gestures.
- Visually rich and compelling slate desktop UI.
- Sensor framework support.
- Portrait and landscape modes support.
- Touch enabled applications, e.g. browser, media center, eBook reader, photo viewer, email, calendar and etc.
- Supports Intel AppUp center.
- Full multi-tasking support.
- Enhanced network manager, power manager and input method framework.
Slate UX Architecture

Tablet UX Middleware
- Animation Effects
- E-Reader API
- File Browsing Framework
- Search Engine
- UI Widgets
- PIM Management
- Web Services

MeeGo Touch Framework
- Multi-touch enabled Widgets
- Input Method Framework
- Windows Manager
Gestures

- **Tap**
- **Drag**
- **Double Tap**
- **Scroll in X axis**
- **Tap and Hold**
- **Scroll in Y axis**
Gestures (Cont.)

- **Swipe**
- **Zoom in**
- **Rotate**
- **Zoom Out**
Portrait and Landscape Modes
Thank You!