

Ubuntu Mobile & Embedded

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Topics

- What is a MID
- What is Ubuntu Mobile & Embedded
- Intel
- Community
- Resources

What is a MID?

- Consumer centric device
 - Gen Y
 - Digital Parents
- Task oriented device
 - Communication
 - Entertainment
 - Information
 - Productivity (secondary use case)
- Simple and Rich Experience
 - Intuitive UI
 - Integrated applications
- “Invisible” Linux OS

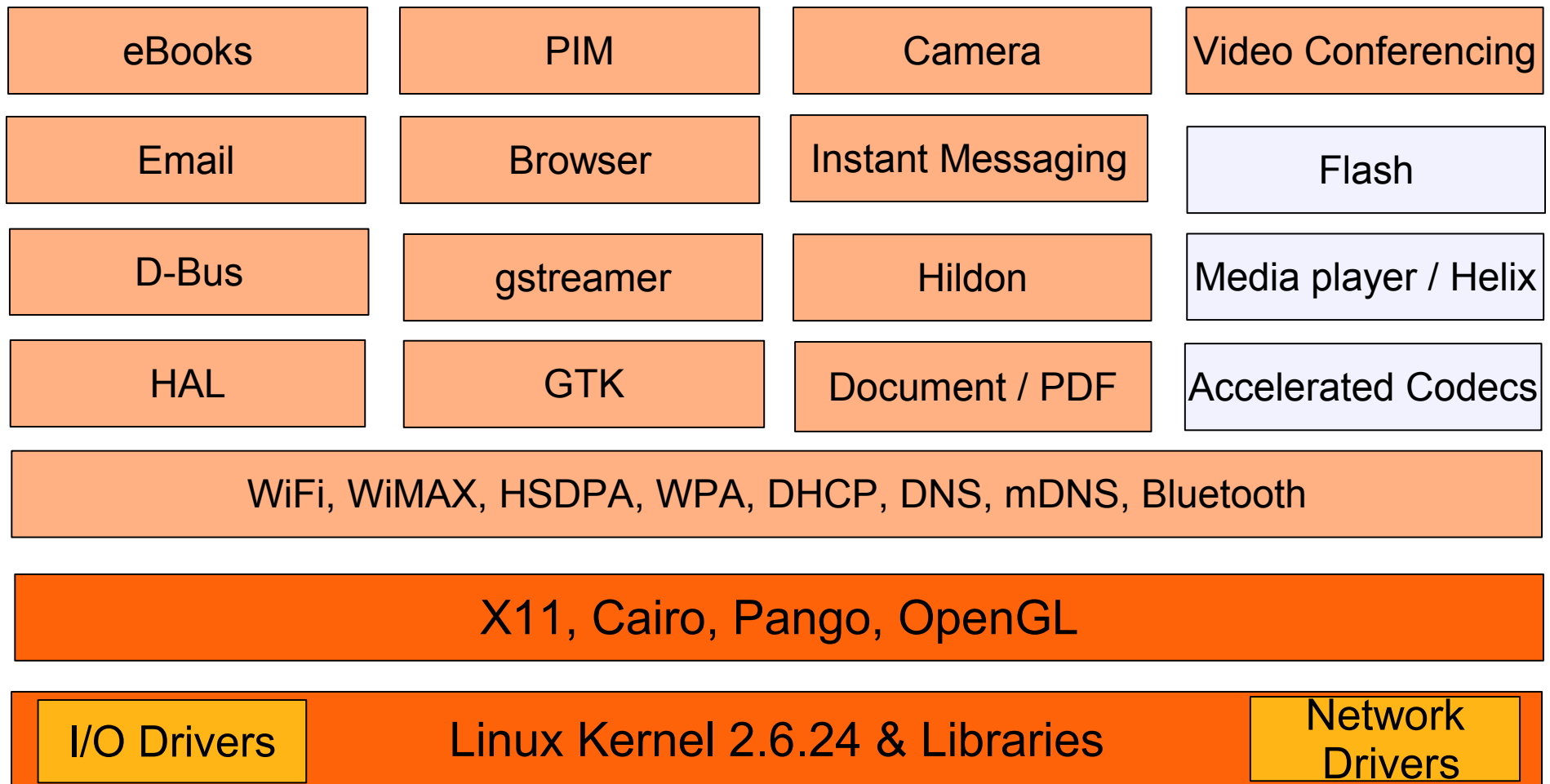
Ubuntu Mobile & Embedded

- Completely new product based on Ubuntu core technology
- Incorporates some open source components from maemo.org
- Adds new mobile applications developed by Intel
- Adapts existing open source applications for mobile devices
- Challenges:
 - Applications can't fit on small screens
 - Applications are designed for keyboard and mouse, not fingers and touch screen
 - Different expectations for a consumer device

Ubuntu Mobile & Embedded

- How is it different from Ubuntu desktop?
 - User experience for MID end users, not Linux experts
 - GNOME Mobile (Hildon) instead of GNOME desktop
 - Apps are optimized to fit 4.5"-7" touch LCDs
 - Kernel, drivers and libraries optimized for LPIA
 - WiFi, WiMax, 3G and Bluetooth built-in
 - Fits in 500MB flash/SSD, for 2GB+ devices
- Who is it for?
 - ODMs and OEMs making MIDs
 - ISVs developing MID apps

Ubuntu Mobile Architecture



Intel

- Created <http://www.moblin.org/> as a place for specific Intel software for MIDs.
- Intel projects
 - Image creator
 - Power policy manager & other settings utilities
 - Web browser



The screenshot shows the Moblin.org website header with the penguin logo and navigation links: home, projects, community, downloads, screenshots, documentation, bugzilla. A search bar is also present.

About the Mobile & Internet Linux Project

Moblin.org hosts the Mobile & Internet Linux* Project which is an umbrella, open source project focused on the development of Linux for Intel-based devices. To this purpose, moblin.org will host various projects that will provide key elements of community-based projects such as Ubuntu's Mobile and Embedded Edition*, and Red Flag's MIDINUX*, targeted for such devices. We also intend to be an incubator for prototyping new ideas and projects targeting these types of devices, such as the [Intel-based Mobile Internet Device \(MID\)](#) and various consumer electronic devices.



Moblin.org will also serve as the point of integration for these projects to ensure the interoperability of the various components. It will provide complete source trees and binary images that can run on these devices. The initial list of projects is in the [Projects](#) tab and includes such components as the kernel, the power management framework, the UI framework, the browser, the multimedia application (MMA), chat, and an image creator. Projects on moblin.org are just getting started and are under heavy development. We encourage you to participate in the development, discussion, and testing of the various components. A good starting point is our [mailing list](#).

News

- [Canonical announces details of Ubuntu for Mobile Internet Devices](#)
- [Red Flag announces support for Intel-based Mobile Internet Devices](#)
- [Intel Ultra Mobile Platform Review](#)

Getting Started

Our [Getting Started page](#) explains how to get and install Moblin Image Creator, and how to use it. You will also find detailed information about editing your target, and solutions to common problems you may run into.

[Browse the source](#)

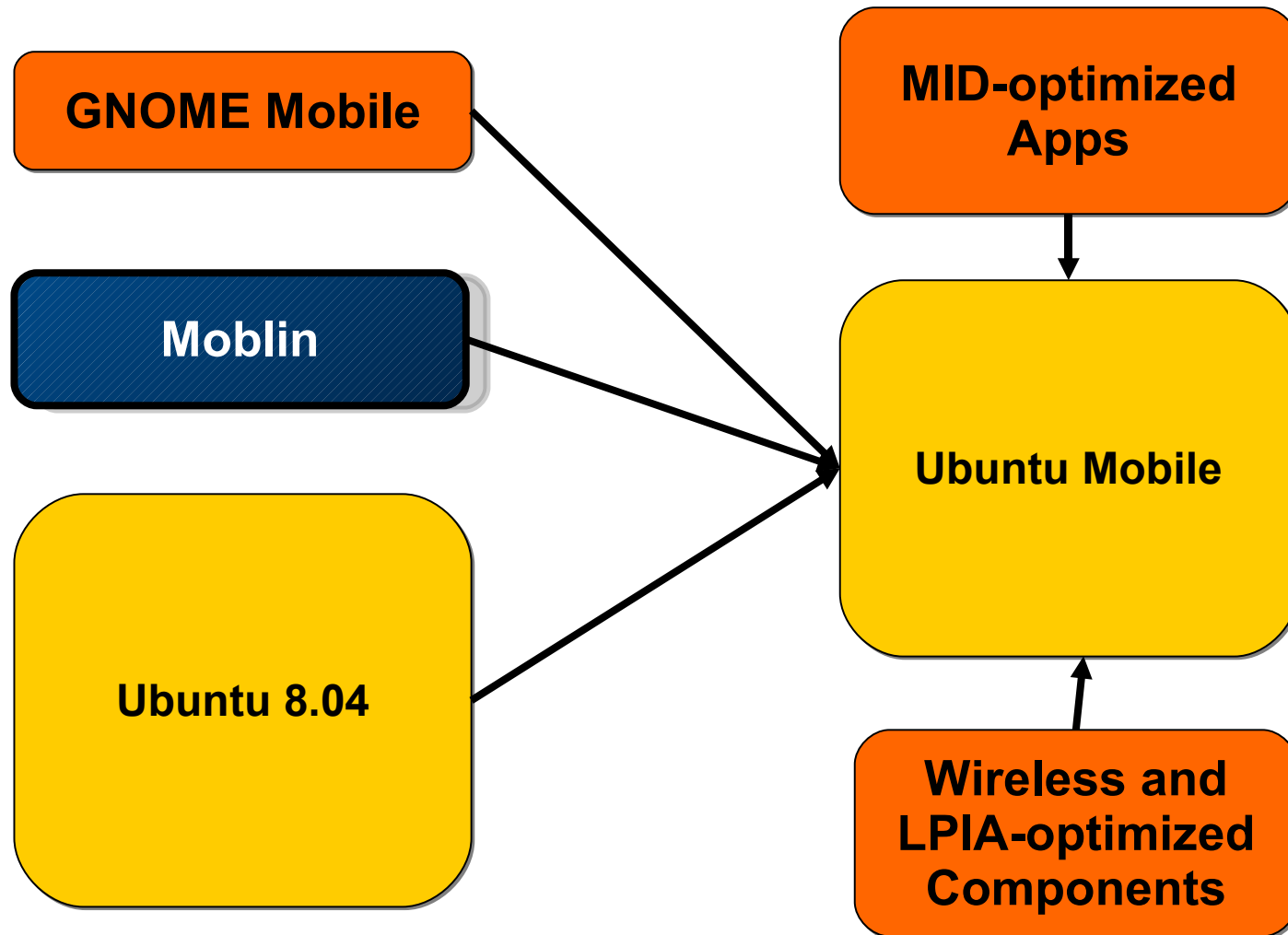
Developer Mailing List

Join our developer mailing list, where all our site discussions occur:

- [Mailing list info and archives](#)
- [Subscribe to the mailing list](#)

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Ubuntu Mobile and Moblin



Ubuntu Mobile Core is completely Open Source (FLOSS)

Ubuntu Mobile Community

How do we involve community?

Ubuntu Mobile Community

- Open Engagement with the community for MID and mobile platforms:
 - We have entirely transparent community processes.
 - MID/Mobile track at Ubuntu Developer Summit (UDS), specifications that are open to community participation.
 - a Code Of Conduct.
 - a number of open and transparent community councils and boards
 - We use launchpad.net to make it easy to interact with different projects and community.

Ubuntu Mobile Community

- Open Engagement with the community for MID and mobile platforms:
 - Three person dedicated community team that also works to grow and propagate a mobile community.
 - Work to use upstream Open Source software at the heart of our mobile solutions.
 - Engage with upstream communities and work with them.
- These are the driving forces behind change and growth in the Ubuntu

Ubuntu Mobile Community

Ubuntu Mobile Resources

- Ubuntu Resources:
 - <http://www.ubuntu.com/>
 - <https://wiki.ubuntu.com/MobileAndEmbedded/>
 - <http://launchpad.net/>
 - IRC: FreeNode #ubuntu-mobile
- Related Resources:
 - <http://www.moblin.org/>
 - <http://maemo.org/>

Thank you