

Ubuntu Mobile Edition



Ubuntu is the leading Linux distribution for the desktop with millions of downloads and users since its launch in 2004. The Ubuntu Mobile Edition is a version of Ubuntu designed specifically for Mobile Internet Devices (MIDs).

What is Ubuntu Mobile?

- Rich Internet experience for Mobile Internet Devices (MIDs)
- Based on Ubuntu, GNOME Mobile, and Intel's Moblin.org project delivered via an application framework

Ubuntu Mobile provides end user simplicity

- Software with a radically simpler user experience
- Full-fidelity Web & rich Web content support
- Designed for handheld, finger-tip use
- Physical keypad, keyboard or on-screen keyboard
- Easy to configure networking: Wi-Fi, WiMAX, HSDPA, HSUPA, Ethernet, Bluetooth
- Long battery life
- Flash memory or hard disk

Through Canonical's commercial engineering services Ubuntu Mobile can be customized to reflect the branding, technical and usage requirements of the individual vendor and matched to their market strategy. Ubuntu Mobile can also include the applications that the OEM wants, whether open source, free or commercial.

Minimum Hardware Requirements:

- Intel Silverthorne Processor
- Intel Poulsbo System Controller Hub
- 256MB RAM
- Flash disk (2GB) or Hard disk
- On disk footprint under 500MB

Standard Device Support:

- Wifi (Marvell, Atheros)
- Bluetooth (CSR)
- Touchscreen
- UVC Camera
- USB Host and Client
- SD/MMC
- SDIO
- PCMCIA

Custom Integrations:

- 3G, WWAN, HSDPA/GPRS/GSM
- GPS (SiRF)
- MDTV: DVB-H, ISDB-T, DVB-T, MediaFLOW (Siano)
- 3D Graphics Acceleration
- Bluetooth profiles available to meet the needs of the device

User Interface:

- Designed for 800x480 to 1024x768 LCD Monitors, 4.8" to 7"
- Finger touch
- On screen keyboard option
- Gesture based controls (some applications)
- Hot key support
- Internationalization
- Localizations: English, Simple and Traditional Chinese, French, German, Spanish
- Over the Internet upgrade service.

Applications:

- Web Browser (Based on Firefox 3.0)
- Music Player
- Photo Viewer
- Video Player
- Email client (POP3, IMAP4)

- Instant Messaging Client
- Ebook Reader
- Camera Manager
- Calendar
- Contacts/Address Book
- Tasklist Manager
- Calculator
- Dictionary
- RSS / News Reader
- PDF Viewer
- Digital TV¹
- GPS¹

Supported Media Formats:

- Audio: MP3², WMA², RA², OGG, WAV, PCM
- Video: MPEG-4², MPEG-2², H.264², WMV², RV², OGG

Hardware assisted decoders: VC-1, MPEG2, MPEG4, H.264

Optional 3rd party applications available via engagement with Canonical:

- Adobe Flash 9.0 (has a per unit license fee)
- VoIP (Skype with Video support)
- Adobe PDF Reader
- Google Maps
- Java VM

Availability and Licensing

Ubuntu Mobile is currently available as a pre-release for ODMs, OEMs and Telcos who are creating new mobile Internet devices for shipment in 2008.

- Concept to launch in 4 - 8 months depending on the level of complexity
- NRE to adapt Ubuntu Mobile to target device
- Optional annual support fee for security updates
- Optional pass-through of 3rd party IP licenses, including: fonts, media codecs, photo editing tools, handwriting recognition, proprietary applications, etc.

¹ Requires specific hardware

² Codices require a per unit license fee for decode and encode support



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