



Innovation that enables a wider marketplace of embedded devices

Product Overview

Android™ from The Open Handset Alliance is expected to play a much bigger role in the embedded world --- and blossom from a handset technology into a mainstream operating system for a wide range of embedded systems. But before that can happen, embedded developers need to overcome technical and legal challenges similar to those they face with Android's underlying Linux OS. These challenges include performance, boot-up time, real-time response, GNU GPL, hidden costs of maintenance, and more.

eSOL for Android not only minimizes those issues, but also provides engineers with tested and proven components that can fully utilize Android technologies in complex embedded systems such as consumer electronics, in-vehicle multimedia systems, and any other embedded applications that require high performance and reliability.

Components

- **eSOL Adaptor for Android:** Adaptation software that replaces Linux with true embedded operating systems. Includes **eT-Kernel Adaptor for Android**, which replaces Linux with eSOL's eT-Kernel real-time OS.
- **eSOL Professional Services for Android:** Engineering services tailor-made for Android system development.

Applications

Consumer electronics utilizing cloud computing
In-vehicle multimedia systems
Multifunction printers
All applications requiring high performance and reliability



Key Features

- ❑ **Faster real-time response and boot time**
- ❑ **Ease** Android from **GNU GPL restrictions**
- ❑ **Higher system reliability** with eSOL's proven eT-Kernel RTOS
- ❑ Highest level of reliability for embedded multicore systems
- ❑ Co-existence of Android and eT-Kernel applications
- ❑ Quality support and services for a variety of operating systems



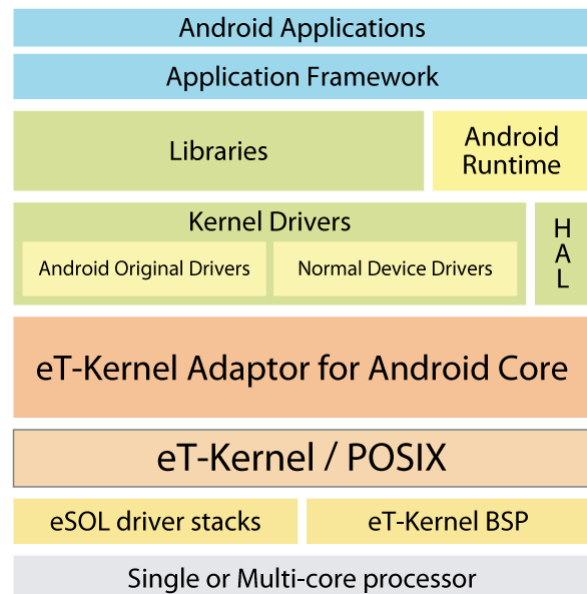
Adaptation software that replaces Linux with eSOL's eT-Kernel real-time OS

Product Overview

eT-Kernel Adaptor for Android combines the advantages of middleware- and application-rich Android systems with those of the highly reliable eT-Kernel real-time OS.

Key Features

- ❑ Provides **fast real-time response and boot time**
- ❑ **Ease** Android from **GNU GPL restrictions**
- ❑ Provides **high system reliability** with eSOL's proven eT-Kernel RTOS
- ❑ Provides highest level of reliability for embedded multicore systems
- ❑ Enables coexistence of Android, POSIX, and real-time applications
- ❑ Ensures full compatibility with Android application programs and the Android SDK
- ❑ Enables reuse of Linux software and engineering resources



eT-Kernel Adaptor for Android Supported environment

- ARM11 MPCore (NaviEngine, etc)
- Support for ARM Cortex series will be available soon

Compatible Products

- **eT-Kernel/POSIX:** A POSIX compliant real time OS
- **eT-Kernel Multi-Core Edition:** Real time OS for multi-core processors
- **eT-Kernel Multi-Core Edition Memory Partitioning:** System Protection for Multi-core Systems
- **eBinder:** Integrated Development Environment

Licensing

Ask for details.

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