Android Workbench 1.1

Single platform to develop Android SDK/NDK/ADK based applications

ethicsTechnologies

Android workbench is a platform with a combination of Android software and supported hardware kit for targeting developers to develop their Android SDK/NDK/ADK applications by using our plug & play hardware and softwares.

Highlights

» Easy to use Linux OS

» Pre-configured Android SDK, NDK & ADK

» Plug & Play PIC based Microncontrollers target-board

» Supporting from Android 1.5

» Wire/Wireless communication

» Pre-packaged sample programs and applications

» Complete suite of Development tools including necessary libraries with Eclipse IDE

» Powerful APIs for all on-board hardware resources

Android Workbench 1.1

Android Workbench 1.1 contains the necessary software packages for developing Android applications using Android SDK (Software Development Kit), NDK (Native Development Kit) and ADK (Accessories Development Kit).

Android SDK

The Android SDK provides the tools and APIs necessary to begin developing applications on the Android platform using Java programming language. It contains applications framework, Dalvik Virtual Machine, sqlite database and other supported libraries.

Android NDK

The Android NDK is a companion tool to the Android SDK that lets you build performance-critical portions of your applications in native code. It provides headers and libraries that allow you to build activities, handle user input, use hardware sensors, access application resources, and more, when programming in C or C++.

Android ADK

Android Open Accessory Development Kit allows external hardware to interact with an Android-powered device in a special "accessory" mode and control the external peripherals, embedded boards from the Android mobile.

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ADK Board Specifications

» Wide range of hardware support

» I2C, SPI, UART, I/Os, PWM, ADC and Pulse inputs

» Debugger socket

» Onboard OTG USB

» Wide range of sensors support

- LEDs
- Keys
- Temperature sensor
- POT
- Joy stick
- Servo motor
- Buzzer

Head Office

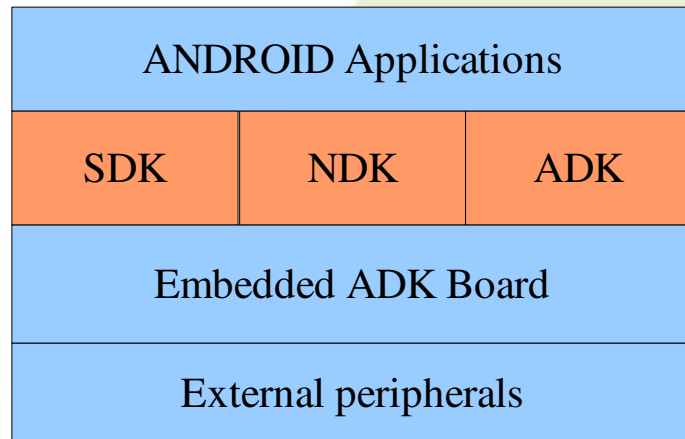16/17, G2, B Block, Suraj Nivas, Station Border Road, Chromepet, Chennai, Tamilnadu-600044,India.

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ANDROID Applications		
SDK	NDK	ADK
Embedded ADK Board		
External peripherals		

Features of Android Workbench 1.1

» Ready to use and user friendly Linux platform

» Ready to use SDK, NDK and ADK

» Ready to use cross compilers

» wire & wireless communication(Bluetooth) between Mobile and board

» Plug & Play PIC based microcontroller as a target-board

» I/Os, PWM, ADC, UART, SPI, TWI and Pulse input.

» Varieties of sensors support including Servo/Stepper motors, LEDs, IR, accelerometer, temperature sensors, motion detection,.etc.

» Target is supporting from Android 1.5 platform

» Example programs and sample applications with developers guide

Embedded
Application

Android
Applications

ANDROID
ADK

ANDROID