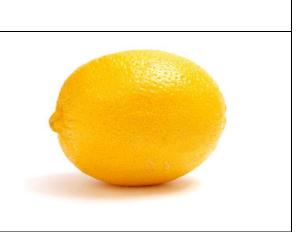
# LemonIDE<sup>™</sup> for Linux

# Integrated Development Environment for Eddy v2.0

### Features

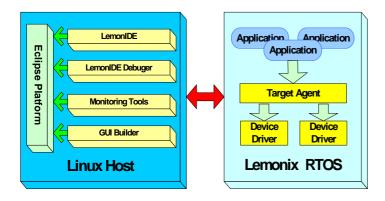
Eclipse based IDE GUI Source Code Editor Target System Application Remote Execution Target System Remote Monitoring Remote Debugger Project Management Support Cross Compile Environment Makefile Auto Creation Runs on Linux Host Systems



LemonIDE is an integrated development environment (IDE) for Eddy modules. Built on open source Eclipse framework, LemonIDE provides an easy & effective GUI (Graphical User Interface) for application and firmware developments that runs on SystemBase's embedded real time Linux, Lemonix.

LemonIDE encompasses GNU C/C++ Compiler, Source Code Editor and Debugger deliverng a onestop development environmnet to embedded developers relieving inconveninces of preexisting TUI(Text User Interface). Commands for compiler and debugger no longer needed to be memorized and punched in as LemonIDE's common GUI provides conveniences of simple mouse click execution.

Makefile Auto Creation, Auto Source Code Completion, Remote Debugging, Plug-in Support and Target System Monitoring features of LemonIDE allows developers to concentrate solely on their programs radically enhancing embedded software productivity.



## LemonIDE<sup>™</sup> provides a convenient one stop turnkey for your embedded software development

#### Integrated Development Environment

Provides software development conveniences and efficiency.

Multi project management, Makefile Auto Creation, Syntax Highlighting, Multi File Editing, ARM-Linux Cross Compiler, gdb Debugger, Target System Monitoring, Project Import/Export features supported.

#### **Debugging**

Various GUI based debugging mode supported. Target System Remote Debugging and Trace Point/Frame Debugging features supported for easy error correction.

Memory, Stack, Signal, Register Status Information also provided for easy error detection.

#### <u>Monitoring</u>

Monitoring Program is executed on Target Systems and relates with GUI IDE providing Target System Information, File Transfers and Remote Execution capabilities.

Monitoring Tools allows continuous real-time monitoring of the Target System. Target System's CPU, Memory, Process and Interrupt Information can be reviewed graphically.



# LemonIDE<sup>™</sup> SPEC SHEET

#### **Eclipse**

- Eclipse SDK 3.2.2
- CDT core 3.1.2
- CVS core 3.2.2

#### **Compiler**

- GNU C/C++ 4.1.1
- · ARM-Linux Cross Compiler

#### Editor

- C/C++ Source Code Editor
- C/C++ Auto Code Completion
- Syntax Highlighting
- Makefile Auto Creation
- Source Browser
- Multiple File Edit through Tab Interface
- File Search & Advanced Search Support
- File to Designated Editor Association Support
- · Explicit Explanation Support on Errors
- · Auto Build Support
- Remote Execution Support

#### Debugger

- · GNU gdb 6.3.90
- Visual Source Code Debugger
- Trace Point & Trace Frame based Debugging Support
- Remote Debugging Support
- Multi-Thread Debugging Support

#### Target Monitor Tool

- Targetview Plug-in 1.0.0
- Monitor Plug-in 1.3.4

#### Host System

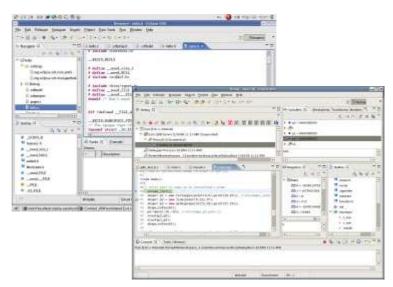
- Linux Installed System
- · JRE 5.0 or above required
- Virtual Utility aided installation possible in Windows Environment

#### Tested Linux Distro List

- Fedora Core 4, 5, 6
- Redhat 9.0
- Redhat Enterprise Linux
- Ubuntu Linux 6.x, 7.x
- Debian 4.0
- SUSE Linux
- CentOS 4.5
- Asianux

#### Target System

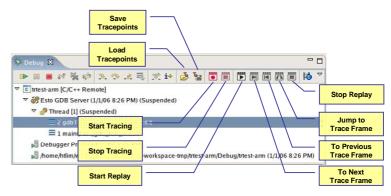
- Eddy-CPU v2.0
- · Eddy-S1/PIN v2.0
- · Eddy-S1/DB9 v2.0
- Eddy-S1/DB9-PoE v2.0
- Eddy-WS1/PIN v2.0
- Eddy-WS1/DB9 v2.0
  Eddy-WS1/TTL v2.0



#### Resource View and Visual Source Code Debugger

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#### Project Manager and Target MonitorTool



#### Debugger base on Start and Stop

#### **Ordering Information**

LemonIDE is included in Eddy Development Kit and is not sold separately.



© 2007 SystemBase Co., Ltd. 16<sup>th</sup> Fl. Daerung Post Tower-1, 212-8, Guro-dong, Seoul, Korea Tel +82-2-855-0501 | Fax +82-2-855-0580 | <u>tech@sysbas.com</u> | <u>www.sysbas.com</u> Specifications subject to change without notice