

# FSMLabs: The RTLinux™ Company

OPEN SOURCE SOLUTIONS FOR INDUSTRIAL AUTOMATION, COMMUNICATIONS, INSTRUMENTATION AND CONTROL

Product	Price	Support	Updates	License
<b>Open RTLinux</b>				(see key)
Download	FREE	Community	Download	Open
CD	\$ 150	Community	Download	Open
Install	500	Install	Download	Open
Starter	1,500	Starter	Download	Open
Basic6	5,000	Basic	Download	Open
Basic12	10,000	Basic	Download	Open
Project	20,000	Project	Bitkeeper	Open
<b>RTLinux/Pro</b>				
Starter	5,000	Starter	Download	Pro/Source
Basic	15,000	Basic	Monthly	Pro/Source
Project	25,000	Project	Bitkeeper	Pro/Source
Critical	150,000	Critical	Bitkeeper	Pro/Source

License Key:  
Open: GPL and Open RTLinux Patent License  
Pro/Source: One (1) developer seat including source; limited binary distribution  
Additional seats and additional binary licenses available.

Supported platforms include IA32 (AMD, Intel and compatible), Alpha and PowerPC. Some MIPS support available (RTLinux/Pro only). Open RTLinux supports SMP in IA32 only.

## Support

### Community:

The RTLinux mailing list. The list is quite active. FSM developers monitor the list and often answer questions. Other participants have a great deal of practical experience and often assist.

### Install:

30 days email support — help with installation questions

### Starter:

30 days email installation support, plus three months telephone/email help getting started (Five hours maximum engineering time.)

### Basic6:

Six months of telephone/email engineering support. Best effort to respond to inquiries within two working days. Up to twenty hours total and eight hours per month engineering time. Updates via Bitkeeper source management account and email notices.

### Basic12:

One year of telephone/email engineering support. Best effort to respond to inquiries within two working days. Up to forty-five hours total and ten hours per month engineering time. Updates via Bitkeeper source management account and email notices.

### Project:

One year of telephone/email engineering support. Best effort to respond to inquiries within one working day. Up to 100 hours total and 15 hours/month engineering time. "Emergency Button" support with up to two days of on-site engineering support (travel expenses additional).

### Critical (RTLinux/Pro only)

Two days of on-site training. One year of telephone/email engineering support with FSMLabs primary point-of-contact engineer. Best effort to respond to inquiries with four hours. "Emergency Button" support with up to four days of on-site engineering support (travel expenses additional). Unused emergency days earns a renewal discount in the following support period.



## Finite State Machine Labs, Inc.

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<http://www.fsm labs.com> — <http://www.rtl linux.com>



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## System Integration Services

FSMLabs currently provides several types of system integration service:

Prices On Request

- **Standard:** Send us a supported box. We send back an installed and tested RTLinux system.
- **Embedded:** Send us a supported box w/board. We send back an installed and tested system.
- **Custom MiniRTL image:** Send us the description of a board and the network. We send back a customized miniRTL floppy or image.
- **Custom RTiC Lab:** Send us your mathematical algorithm, parameter list and control project description. We send you a customized version of RTiC Lab for fast and easy deployment.
- **Peripheral Device Drivers.**

## Training & Seminars

Hands-on RTLinux and RTiC Lab training. Standard seminars are six hours long.

### Introduction to RTLinux

- How does it work?
- Overview of the API
- Communication between Linux and RTLinux
- Simple examples
- Demonstration: Sound driver using the parallel port
- Security issues
- Features:
  - Standards Compliance (POSIX)
  - Supported Hardware/Platforms
  - Development Tools
  - Resources

### Embedded RTLinux

- How does it work?
- Handling restrictions on embedded boards
- System sizes and specs
- Example program
- Demonstration of a sample PC104 system
- Network capabilities
- Security issues

### RTLinux control

- How does it work?
- Timing capabilities (timestamping)
- Compensation strategies based on timestamps
- Multithreaded realtime applications
- Communication between Linux and RTLinux
- Example control system

### RTiC Lab

- Executive Summary
- Creating Projects
  - RTLinux paradigm and its influence on RTiC-Lab
  - Importance of the init, run and stop algorithms
  - The project API
  - The graphical user interface
- Extending RTiC using the existing API
  - Hard real time
  - Soft real time
- Roadmap to RTiC source code
  - Communication between hard and soft RT
  - Creating new widgets
  - File structure

\$1125/participant with a minimum of 5 participants. Prices and availability vary with location.

## Premium Services

Custom solutions for specific needs. Talk to us about:

ON-SITE SEMINARS  
ONGOING TRAINING  
ARCHITECTURE PORTS  
AUTOMATION AND CONTROL SYSTEMS  
NON-GPL AND NON-OPEN RTLinux LICENSES  
SYSTEM EVALUATION AND TESTING

ON-SITE CONSULTATION  
ON-SITE EMERGENCY SUPPORT  
BOARD PORTS  
RESELLER DISCOUNTS  
UNIVERSITY PRICING



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