Embedded Linux from a Trusted Source

timesys®

Embedded Linux Product Development Made Easy for GizmoSphere Gizmo Board

Timesys LinuxLink is the industry's most affordable and easy-to-use embedded Linux development platform that includes expert support, allowing new and experienced developers to quickly build differentiated Linux-based offerings.

LinuxLink — Award-winning Software Development Framework for Embedded Linux

Timesys LinuxLink is a powerful toolset that enables you to easily build a custom embedded Linux-based devices. It's a complete embedded Linux solution that allows you to:

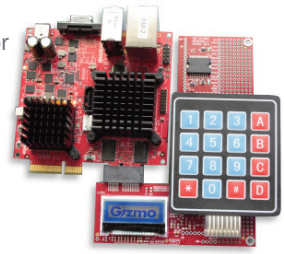
- Start building embedded applications in hours with an easy-to-use, cloud-based wizard.
- Deeply customize your Linux distribution and integrate third-party and proprietary software on your desktop.
- Get responsive, expert support from a real person.
- Easily maintain your product's Linux platform — beginning with building the application on a development kit through productizing and maintaining it on an off-the-shelf or custom board.

LinuxLink FREE Edition is the industry's only free, fully secure, web-hosted offering that enables developers to start building embedded Linux applications on day one. It can't get any easier or quicker for you to prototype and benchmark common apps on your Gizmo Explorer Kit. Learn more at www.timesys.com/register/gizmo-explorer.

LinuxLink Support for GizmoSphere Gizmo Board

LinuxLink for Gizmo Board is a powerful Linux solution that you can customize to take advantage of the AMD G-Series processor features. With a LinuxLink subscription for your Gizmo Board, you can:

- Quickly assemble and boot an initial embedded Linux image on your Gizmo Board.
- Patch/configure/rebuild/update your custom Linux platform on your desktop.
- Debug/tune the platform with common open source development tools and development libraries/utilities.
- Obtain help with common development tasks via technical assistance and a rich library of Timesys-authored "How To" documentation.



Gizmo Board

A LinuxLink subscription is available for the platform, below:

Platform	Kernel
GizmoSphere Gizmo Board	3.10 (or newer) Linux kernel

Toolchain Component	Version
binutils	2.23.2 (or newer)
gcc	4.7.3 (or newer)
gdb	7.4.1 (or newer)
glibc	2.17 (or newer)
uClibc	0.9.33.2 (or newer)

Timesys Linux Distribution — Kernels, Toolchains, Packages & Bootloaders

Kernels

Use the kernel(s) of your choice — use the latest or older versions, whichever meets your product requirements.

Toolchains

Choose the toolchain that's best suited to your project:

- Optimized for your target platform
- System and application cross-development
- C-Libraries (µClibc, glibc, eglibc)
- Remote cross-debugging
- Easy user space API integration

Packages

Select the middleware packages that meet the needs of your application. More than 1000 packages are available and include the following categories:

- Common Linux Utilities
- Networking
- Web Servers
- Security
- Editors
- Scripting Languages
- Development Libraries
- Graphics (GTK, Qt)
- System Utilities
- Package Management
- Hardware Interfacing
- Audio
- File Systems and Storage
- High Availability

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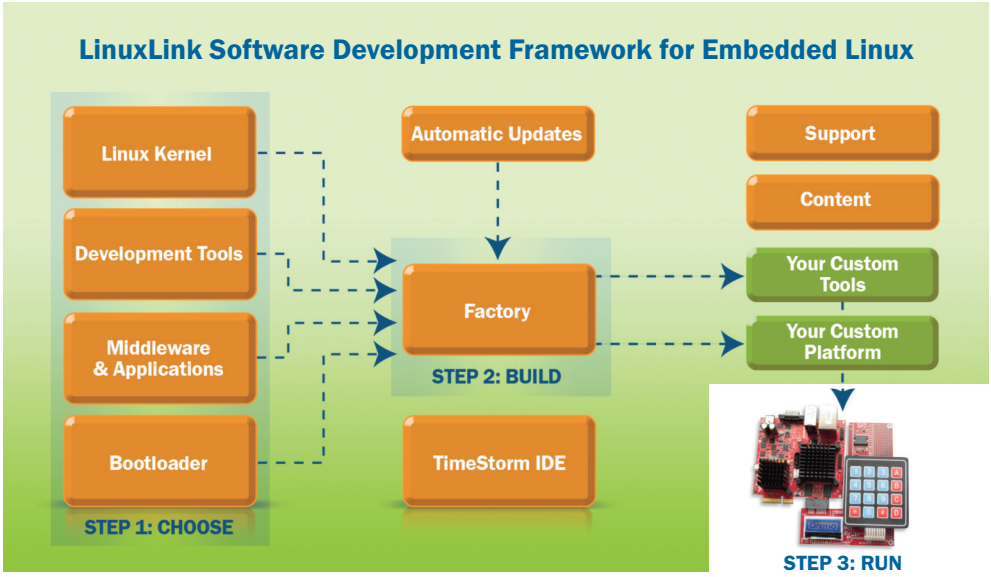
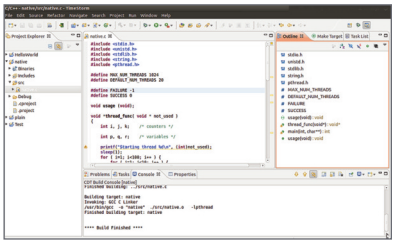


Embedded Linux Development Tools, Application Development IDE

Timesys LinuxLink offers a suite of powerful development tools that have been cross built, integrated, configured and tested for your processor and associated development kit.

Timesys' TimeStorm Eclipse-based IDE provides application developers with a toolset that expertly handles embedded tasks like cross-compiling and remote debugging while including support for advanced features like profiling, testing and memory leak detection. TimeStorm enables developers to quickly perform their tasks in parallel, reducing overall schedules.



TimeStorm IDE

LinuxLink Offers Both a Cloud-Based and a Desktop Build Environment

Timesys LinuxLink is the industry's only embedded Linux development offering that offers two powerful options:

1. **LinuxLink FREE Edition** — A free online/hosted version for quickly building a custom BSP/SDK on a reference kit.
2. **LinuxLink PRO Edition** — A subscription-based, desktop version that includes unmetered, expert support for building a fully featured, fully customized, embedded Linux development platform. Includes all the benefits of the FREE Edition.

LinuxLink Feature	FREE Edition	PRO Edition
Kernel configuration		✓
Build from source	✓	✓
Define the RFS	✓	✓
Integrate third-party software		✓
Optimize the Linux image	✓	✓
Download a bootable BSP/SDK	✓	
Define your own repository of sources		✓

To learn more about Timesys LinuxLink Embedded Linux offerings, visit **www.timesys.com/embedded-linux/linuxlink**

Timesys Support

Become a LinuxLink PRO Edition subscriber to get access to responsive, live support from a team of embedded Linux experts.

Timesys Professional Services and Training

Leverage our extensive embedded Linux experience to reduce your risk and minimize schedule conflicts. Timesys Professional Services range from porting drivers forward and developing applications to porting and updating packages. And, we offer customized, on-site training courses that benefit all developers — from the beginner to the experienced.

Have Questions?

To discuss your project, request a live demo that is personalized to your project needs or purchase a LinuxLink PRO Edition subscription, call us at **866-392-4897** (toll-free) or **+1-412-232-3250** or email us at **sales@timesys.com**.

Get Your Free LinuxLink Account — Build Your Custom BSP/SDK in Minutes

Register for a Free LinuxLink account, which includes use of the LinuxLink FREE Edition, and download a pre-built BSP ... or assemble a custom Linux image that you can download and run on your board. You can register at **www.timesys.com/register/gizmo**.

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02/2014