Open Source Software, Engineering Services, and Security Solutions Spanning the Embedded Software Market
Our heritage is embedded Linux. Our focus is on embedded, open source expertise, software, engineering services, and security.

Timesys is the worldwide leader in solutions that accelerate development of embedded system products using open source software. Our services and tools capture the industry’s best practices for device software development, based on development experience across 1000+ projects.

Our services and tools can shorten your development cycles by more than 35%. You will bring richer, more competitive and more secure products to market faster, and at lower cost.
Timesys is the development partner of choice for the industry’s most successful device makers in Internet of Things, Industrial Internet of Things, industrial controls and automation, smart edge, medical devices, consumer devices, networking, military, aerospace and automotive industries.

**Timesys TRST Device Security Solutions** — The security of devices based on open source embedded systems has never been more critical. Timesys offers a complete end-to-end device security solution that enables you to address security early in the design of your products and more efficiently manage and maintain your device’s security posture. Our security solutions include:

**TRST Secure by Design Services**
- Secure Boot and Chain of Trust
- Encryption for Securing Data and Key Management
- Firmware/Software/OTA Update
- Security Audit
- Hardening

**TRST Stay Secure Services**
- Timesys Vigiles — On-Demand Security Vulnerability Monitoring for More Secure Products
- Timesys BSP Lifecycle Maintenance

**Software Engineering Services** — Get to market faster with more competitive products. Timesys brings you more than two decades of experience as an embedded Linux software and services firm, with more experience and expertise than other open source, embedded system integrators. We are a founding member and early supporter of the Yocto Project. Our skill sets and technologies include:

**OS Expertise**
- Yocto Project development and customization
- Android porting and design services
- OS migration to Open Source, including RTOS/Bare Metal
- OS migration from Windows Embedded to Open Source

**Engineering Skill Sets**
- System Architecture/Design Consulting
- Board Bring Up
- BSP Customization
- Yocto Custom Layer Development
- Full Stack Development for Devices
- Firmware Upgrade/OTA
- Security
- BSP Maintenance
- IoT Integration

**Technologies**
- Device Drivers
- Bootloaders
- Secure Boot
- Boot Time Optimization
- Power Optimization
- Camera/IPU
- UI/HMI
- IP Protection
- Embedded Test Framework

**Embedded Linux Development Tools** — Timesys offers feature-rich, embedded Linux development tools — both open source and commercial. With these tools, you can more easily develop BSPs and embedded applications. Timesys embedded Linux development tools include:

- Timesys Timestorm IDE
- Timesys Factory Embedded Linux BSP Build Environment

**Remote Debugging and Continuous Testing** — Limited availability of early development boards can make remote debugging and testing of your software a challenge. Timesys can help you reduce development costs and accelerate your product time to market with:

- Timesys On-Premises Board Farm Cloud
- Timesys Test Automation Solution

**Timesys LinuxLink Portal** — At the heart of Timesys’ software and products offering is LinuxLink, a web portal to a host of services, capabilities, and content. LinuxLink is your gateway to successful developments, applications, and products.
Global Partner Ecosystem

Strong relationships make a world of difference.

Our extensive global partner ecosystem enables us to provide our customers with a complete solution that meets their unique product requirements, ensuring high customer satisfaction and greater productivity — no matter where our customers are located.

Timesys’ Semiconductor partners include:

To view all of our partners, visit www.timesys.com/partners.

To learn more about Timesys Open Source Software, Engineering Services, and Security Solutions for devices based on embedded OSS, email us at sales@timesys.com or call us at 1.866.392.4897 (toll-free) or +1.412.232.3250 to schedule a complimentary, no-obligation consultation.

Disclaimer: Security is an ongoing process and is not foolproof. Timesys’ security offering provides assistance with minimizing known vulnerabilities based on known issues, but doesn’t have any warranty.