

4.7 Legacy Support

RTEMS (<http://www.rtems.com>) is an Open Source RTOS providing a powerful development and run-time environment that promotes the production of efficient real-time embedded applications.

Features:

- Scalable Architecture
- Modified GPL License
- Multiple APIs - Classic, POSIX
- Event-driven multitasking
- Priority-based, preemptive scheduling
- Responsive Interrupt Management
- Optional Rate Monotonic Scheduling
- Priority Inheritance and Ceiling Protocols
- Intertask communication and synchronization
- Homogeneous and heterogeneous multiprocessor systems
- Reentrant ANSI C Library
- Add-on libraries including Python, Lua, and Tcl
- High performance BSD TCP/IP Stack
- Protocols: TCP, UDP, BOOTP, ARP, ICMP
- Servers: FTPD, HTTPD, TELNETD
- Clients: DHCP, NTP, DNS, TFTP

Processors Supported:

| | | | |
|---------|---------|----------|----------|
| M680x0 | ix86 | Coldfire | ARM |
| M683xx | Pentium | MIPS | Blackfin |
| PowerPC | SuperH | SPARC | H8 |
| NIOS2 | | | |

Available Services:

- Training
- Standard Support
- Legacy Support
- RTEMS Application Assistance
- Board Support Package Development
- Application Design and Development
- Ports to New Architectures
- System Architecture Design

On-Line Applications

Research (OAR) Corporation

7047 Old Madison Pike
Suite 320
Huntsville, AL 35806
<http://www.oarcorp.com>
Phone: 256-722-9985
Fax: 256-722-0985

The RTEMS Project follows standard free software practice and maintains the development source as well as the previous two release ranches. Once the 4.9.0 release was made, the 4.7 release branch was closed and no further public releases from the 4.7 branch will be made available by the RTEMS Project. There should be no expectation of support from the open RTEMS Project as its focus moved on to newer releases. However, this does not mean that your project which standardized on a 4.7 RTEMS release cannot continue to receive updates with bug fixes.

OAR has long recognized that real-time embedded systems often have fielded lifespans which often far exceed a decade. We have designed our Legacy Support service to address the needs of these projects. After the public project has closed a release branch, OAR moves that release branch into legacy support mode. Those customers with Legacy Support agreements can report problems with the older software and receive fixes.

OAR Corporation offers Legacy Support for the RTEMS 4.7 Branch so the success of your project is ensured even when you have committed to an older RTEMS release. OAR will back port fixes from later versions of RTEMS and to provide the same types of support you have come to expect from RTEMS Standard Support. For example, the first of the 4.7 legacy releases (4.7.4) addresses 24 issues identified by users of later RTEMS versions. In addition, improvements in RTEMS testing infrastructure have been backported to the 4.7 Legacy code to improve its testability. Legacy Support for the RTEMS 4.7 Branch includes:

- Access to RTEMS 4.7 Legacy Releases
 - latest legacy 4.7 release include 24 fixes not in 4.7.3
- Direct Contact with RTEMS Engineers
- Timely Response to Questions
 - normally less than 24 hours
 - always within 2 business days
- Rapid Problem Response
 - solutions as quickly as technically possible
- RTEMS Development Environment Assistance
- Bug Reporting and Patches
- Downloadable RTEMS Documentation
- Covers 4.7 Branch Only

Legacy Support for the RTEMS 4.7 Branch is USD4500 per engineer per year with a minimum of three (USD13,500). This represents a bargain when you consider the fielded products you have and how valuable your engineering staff's time is.

Please contact OAR at sales@OARcorp.com for more details.