

RTEMS Users

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		SPARC64	

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

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RTEMS is a truly free real-time operating system which has been available for nearly twenty years. In that time, it has been downloaded literally thousands of times. It has even been given away on a floppy at an Embedded Systems Conference. Some users are very open about their projects and let others know how happy they are with their selection of RTEMS. For many reasons, other users are unable to publicly acknowledge that RTEMS is at the heart of their products. This is the nature of offering a powerful open source product like RTEMS – we have no way to know where RTEMS is unless users share that information.

The following is just a sample of the users who have publicly acknowledged the presence of RTEMS in their products.

Some users have provided detailed information about their RTEMS applications to the RTEMS Wiki.

- Active Power
- Alliant Techsystems
- Amtech Aeronautical Limited
- AMV Technics
- Argonne National Laboratory
- EADS Astrium
- Black River Technology
- BMW
- Boeing
- Brookhaven National Laboratory
- Canadian Light Source
- Canon
- Carlo Gavazzi Space
- Com-Dev
- COMPSIS
- Cosylab
- Critical Software
- Danelec Limited
- Defence R&D Canada
- DLR – Deutsches Zentrum für Luftund Raumfahrt (German Aeospace Center)
- Edisoft
- Eastman Chemical Company
- Embedded Brains
- EPICS
- European Space Agency
- Gaisler Research
- General Dynamics Canada
- Georgia Institute of Technology
- Indumat
- INVAP S.E.
- Israel Aerospace Industries
- Javad
- Jet Propulsion Laboratory (JPL)
- Link Communications
- LogicLab s.r.l.
- Loytec
- Max Planck Institute
- MITRE
- NASA
- NEC
- OKTET Labs
- Raytheon
- SAAB AB
- SAR S.A
- Southwest Research Institute
- Stanford Linear Accelerator Center
- Surrey Satellite
- Swedish Space Corporation
- Tech S.A.T. GmbH
- Technische Univeristät Braunschweig
- Telephonics
- Taiwanese National Space Organization (NSPO)
- Thales Alenia Space
- Tyco Industries
- University of Saskatchewan
- US Army
- Zetron

<http://www.rtems.org/wiki/index.php/RTEMSApplications>

The RTEMS Wiki is publicly editable and all RTEMS users are encouraged to add their success story to the RTEMS Wiki.