

FreeRTOS ▾



FreeRTOS - operating system for microcontrollers

Real-time operating system for resource-constrained devices



How it works

FreeRTOS is an open source, cloud-neutral, real-time operating system that offers a fast, dependable, and responsive kernel. FreeRTOS is freely distributed under the Massachusetts Institute of Technology (MIT) open source license and is implemented in over 40 architectures, providing developers with a broad choice of hardware along with a set of prepackaged software libraries.



Hi, I can connect you with an AWS representative or answer questions you have on AWS.



Benefits

1

Speed up time to market

Integrate with a responsive kernel

FreeRTOS 

Minimize risk with LTS and EMP

Use cases

Manage multiple commercial equipment tasks

Locally collect and process data



Remotely update your devices

Customers

belkin

Belkin rebuilt operations using AWS IoT and

FreeRTOS ▾



FreeRTOS ▾

How to get started



Start using FreeRTOS



Explore features



FreeRTOS

Learn

Resources

Developers

Help



Amazon is an Equal Opportunity Employer: Minority / Women / Disability / Veteran / Gender Identity / Sexual Orientation / Age.

[Back to top](#)

[Privacy](#) [Site terms](#) [Cookie Preferences](#)

© 2026, Amazon Web Services, Inc. or its affiliates. All rights reserved.