FreeRTOS pricing

Overview

There is no charge for using FreeRTOS. FreeRTOS is released under the MIT open source license, a permissive license with limited restrictions on reuse. To learn more about the MIT open source license, click here. To learn more about the FreeRTOS community, click here.

You may incur additional charges with FreeRTOS if your applications utilize other AWS services or transfer data. For example, if a device running FreeRTOS connects to AWS IoT Core, you will be billed for the use of the AWS IoT Core service.

For details on AWS service pricing, see the pricing sections of the relevant AWS service detail pages. Links to pricing for some of the commonly used services are listed under Additional Charges below.

FreeRTOS EMP pricing

FreeRTOS Extended Maintenance Plan (EMP) allows embedded developers to receive critical bug fixes and security patches on their chosen FreeRTOS Long Term Support (LTS) version beyond the expiry of the initial LTS period.

FreeRTOS EMP has a flexible annual subscription plan. You can continue to renew your subscriptions annually for a duration (up to 10 years) that aligns with your device lifecycle or application requirements. With FreeRTOS EMP, you are charged (during subscription or renewal) an annual subscription fee per FreeRTOS LTS version.

FreeRTOS EMP pricing is determined based on whether you manufacture, offer, produce or sell one or more end-products that incorporate a chosen FreeRTOS LTS version. An end-product is the result of a manufacturing process and is in the market under a specific name or order code. Two products are deemed separate "end-products" if they have significant hardware and/or functional differences, have different product names, or have different types, models or variants.

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Details

Number of products	Annual subscription per LTS version
Single product using EMP libraries	$40,000[1]
Multiple products using EMP libraries	$90,000[2]

An escalation takes place when AWS Support transfers a technical support case to the FreeRTOS engineering team for a resolution. FreeRTOS EMP customers need to be AWS Support subscribers to be eligible for these escalations.

You may not use any critical bug fixes and security patches that you receive, obtain or access in connection with FreeRTOS

Show more

Pricing examples

Example 1

You use FreeRTOS 202012.00 LTS to build a single product. The free LTS coverage period of FreeRTOS 202012.00 LTS ends March 2023. You subscribe to FreeRTOS EMP starting April 2023, as soon as the free LTS coverage ends. You continue to renew your subscription, and from 2025, you plan to use FreeRTOS 202012.00 LTS on another product.

Billing Summary:
April 2023-March 2024: $40,000 (subscription for single product) + $0 (one-time fee) = $40,000
April 2024-March 2025: $40,000 (subscription for single product)
April 2025-March 2026: $90,000 (subscription for multiple products)
April 2026-March 2027: Same as previous year

Example 2

You use FreeRTOS 202012.00 LTS to build three products. The free LTS coverage period of FreeRTOS 202012.00 LTS ends March 2023. You are planning to subscribe FreeRTOS EMP from September 2025, which is 2.5 years after the free LTS period ends.

Billing Summary:
September 2025-August 2026: $90,000 (subscription) + $45,000 (one-time fee) = $135,000
September 2026-August 2027: $90,000 (subscription)
September 2027-August 2028: Same as previous year

Example 3

You use FreeRTOS 202012.00 LTS to build a single product. The free LTS coverage period of FreeRTOS 202012.00 LTS ends March 2023. You subscribe to FreeRTOS EMP from September 2030, which is 7.5 years after the free LTS period ends.

Billing Summary:
September 2030-August 2031: $40,000 (subscription) + $40,000 (one-time fee) = $80,000
September 2031-August 2032: $40,000 (subscription)
September 2032-August 2033: Same as previous year

Example 4

You plan to use FreeRTOS 202012.00 LTS to build 10 products and FreeRTOS 202206.00 LTS to build a different (single) product. The free LTS coverage period of FreeRTOS 202012.00 LTS ends March 2023, and the free LTS coverage period of FreeRTOS 202206.00 LTS ends June 2024. You subscribe to FreeRTOS EMP on November 2024 for both LTS versions.

Billing Summary:
November 2024-October 2025: $90,000 (subscription of FreeRTOS 202012.00 LTS) + $40,000 (subscription of FreeRTOS 202206.00 LTS) + $45,000 (one-time fee for FreeRTOS 202012.00 LTS) + $20,000 (one-time fee for FreeRTOS 202206.00 LTS) = $195,000
November 2025-October 2026: $90,000 (subscription of FreeRTOS 202012.00 LTS) + $40,000 (subscription of FreeRTOS 202206.00 LTS) = $130,000
November 2026-November 2027: Same as previous year

Additional charges

Details

AWS IoT Core (if a FreeRTOS device is connected to the AWS IoT Core)

AWS IoT Device Management (if a FreeRTOS device receives OTA updates)

AWS IoT Greengrass (if a FreeRTOS device is connected to AWS IoT Greengrass Core)

Data transfer (if a FreeRTOS device initiates external data transfers to AWS, you will be charged at the EC2 data transfer rate)

Amazon S3 (if a FreeRTOS device uses S3 for storage, requests, and data transfer)

Amazon DynamoDB (if a FreeRTOS device uses DynamoDB for data storage, throughput capacity, and data transfer)

Additional pricing resources

AWS Pricing Calculator →

Get pricing assistance →

How to get started

Learn more about getting started with FreeRTOS →

Ready to get started? →

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