

# IA-Functional-Safety-RX-FSoE-Reference-Kit

 Active

FSoE Reference Kit with RX MCU



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## Overview

Description

Features

Applications

Related Products

Software and hardware package for realizing FSoE slave function.

- To overcome the challenges to evaluate and develop FSoE system easier and faster
- Best optimized BOM cost by integrating EtherCAT + FSoE Slave function with 2 chips
- Allows evaluation of Renesas' [IEC 61508 Functional Safety Solution \(/in/en/application/industrial/factory-automation/safety/iec-61508-functional-safety-solution\)](#) FSoE Reference Software for RX MCU

- Keeping flexibility to connect customer's non-safety system

What is inside:

- Two-chip, RX72M and RX23T configuration, functional safety reference board (user manual, schematics, and BOM list)
- RX FSoE Reference Software (scan QR code inside the kit)
- Software development handbook

Plug into FSoE master device and other tools to set up your FSoE slave environment (not included in the kit)

Requires commercial license agreement when using the software in customer's final product.

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[http://www.renesas.com/sites/default/files/FSoE-](http://www.renesas.com/sites/default/files/FSoE-RefKit.png)



[\(in/en/image/fsoe-reference-kit\)](#)

## Documentation

Title	
<b>Industrial Networks Brochure</b> <a href="/in/en/document/bro/industrial-network-brochure?r=25415051">(/in/en/document/bro/industrial-network-brochure?r=25415051)</a> PDF 7.35 MB <a href="/in/en/document/bro/industrial-network-brochure?language=ja&amp;r=25415051">日本語 (/in/en/document/bro/industrial-network-brochure?language=ja&amp;r=25415051)</a> Brochure Oct 31, 2022	
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5 items

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## Support


For a comprehensive IEC61508 Functional Safety solution, please visit [IEC 61508 Functional Safety Solution \(/in/en/application/industrial/factory-automation/safety/iec-61508-functional-safety-solution\)](/in/en/application/industrial/factory-automation/safety/iec-61508-functional-safety-solution).


 **Contact Technical Support** (/in/en/support?nid=25415051&issue\_type=technical)

 **RX Family FAQs** (<https://en-support.renesas.com/knowledgeBase/category/30942>)

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 **Contact a Sales Representative** (<https://www.renesas.com/in/en/buy-sample/locations>)

 **Functional Safety FAQs** (</in/en/node/1593461>)

## Videos & Training

### Renesas Functional Safety Solutions for MCUs

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#### Video List

Renesas Functional Safety Solutions for MCUs (</in/en/show-video/nojs/1498871>)



Introduction to  
Renesas Functional

(/in/en/show-video/nojs/1538336)



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**Raising the Safety Bar in  
Industrial Drives with TUV  
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Automation FuSa Solutions**

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## News & Blog Posts

(/in/en/blogs/sil-compliance-your-industry-beyond)	<b>SIL Compliance for your Industry &amp; Beyond</b> (/in/en/blogs/sil-compliance-your-industry-beyond)	Blog Post	Dec 20, 2022
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<a href="/in/en/blogs/meet-risk-buster-functional-safety-industries">(/in/en/blogs/meet-risk-buster-functional-safety-industries)</a>	<b>Meet the Risk Buster: Functional Safety in Industries</b> <a href="/in/en/blogs/meet-risk-buster-functional-safety-industries">(/in/en/blogs/meet-risk-buster-functional-safety-industries)</a>	Blog Post	Jul 29, 2022
<a href="/in/en/about/press-room/renesas-extends-functional-safety-leadership-sil3-certified-solutions-both-arm-cortex-m23-m33-based">(/in/en/about/press-room/renesas-extends-functional-safety-leadership-sil3-certified-solutions-both-arm-cortex-m23-m33-based)</a>	<b>Renesas Extends Functional Safety Leadership with SIL3 Certified Solutions for Both ARM® Cortex®-M23, -M33-based RA and RX MCUs</b> <a href="/in/en/about/press-room/renesas-extends-functional-safety-leadership-sil3-certified-solutions-both-arm-cortex-m23-m33-based">(/in/en/about/press-room/renesas-extends-functional-safety-leadership-sil3-certified-solutions-both-arm-cortex-m23-m33-based)</a>	News	Mar 9, 2022

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[iSim:PE Offline Simulation Tool \(/in/en/software-tool/isimpe-offline-simulation-tool\)](#)

[PowerCompass Multi-Rail Design Tool  
\(<https://powercompass.renesas.com/support/design-tools/powercompass/editor.html>\)](#)

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[中文 \(<https://www.renesas.cn/cn/zh/products/microcontrollers-microprocessors/rx-32-bit-performance-efficiency-mcus/ia-functional-safety-rx-fsoe-reference-kit-fsoe-reference-kit-rx-mcu>\)](#)



日本語 (<https://www.renesas.com/jp/ja/products/microcontrollers-microprocessors/rx-32-bit-performance-efficiency-mcus/ia-functional-safety-rx-fsoe-reference-kit-fsoe-reference-kit-rx-mcu>)

## Region

India ▼

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