IoT Contest

Submission Requirements

To be eligible for judging, you must meet ALL of the following requirements unless otherwise stated :

Project Documentation Requirements

- Your project must include a project name, short project descri ption, cover image, bill of materials (BOM), full instructions, images, and relevant resource files (schematics, code, CAD).

- Your project must be written in English.

- Your project must be submitted by June 30, 2023, 23:59 PM PST

Judging criteria

Your project will be judged according to the rubric below.

Project Documentation (30 points)

Story/Instructions - Show how you created your project, including images, screenshots, and/or a video demonstration of your solution working as intended. Ask yourself: "If I were a beginner   reading this project, would I understand how to recreate it?"

Complete BOM (10 points)

Detail the hardware, software, and/or tools used.

Schematics (10 points)

Draw your circuit diagrams using software and/or take detailed photographs.

Code & Contribution to RT-Thread (30 points)

- Pull requests(for example, add software package, perfect documentation, comment the code, etc.) and being merged into the base branch.

- Report issues and suggest a fix.

Creativity (20 points)

Your idea doesn't have to be original, but it should be creative (a fresh take on an old idea is often worth as much as a brand new idea)

Full rules

Common terms used in these rules

These are the full rules that govern how the contest will operate. In these rules, "we," "our", and "us" refer to RT-Thread, NXP Semiconductor, ST Microelectronics and WCH Electronics.

"You" and "yourself" refer to an eligible contest participant. The full rules also include all above eligibility, requirements, and judging criteria recorded in the "rules" tab of this contest page.

Contest description:

This is a skill-based contest brought to you sponsored by RT-Thread, NXP Semiconductor, STMicroelectronics and WCH Electronics. The object of this contest is to develop a project using open-source RT-Thread RTOS on the providing board .

What are the start and end dates?

The contest starts on May 10, 2023, at 12:00 PM PST and ends on June 30, 2023, at 23:59 PM PST and will consist of the following periods:

- Contest projects submission period: May 10, 2023, through June 30, 2023
- Contest winners will be announced on July 10, 2023.

Note: Contest end dates are at the sole discretion of RT-Thread and/or the contest sponsor and may be subject to change.

Important note about Copyright: Your entire entry must only include material (including hardware, source code – both open source and third party sourced, user interface, music, video or images) that you own or that you have permission from the copyright/trademark owner to use. Your and/or your team's entry may not include copyrighted materials (such as source code, user interface, background music, images or video) unless you own or have permission to use the materials. Ownership is not defined as purchasing a CD at a music store for replay, if playing a copyrighted recording on your guitar or repurposing an application's user interface – your entry may be disqualified if copyrighted materials, including but not limited to these examples, are a part of your entry without appropriate licensing or permissions. If you do use permissible copyrighted materials, you must include the permissions information by citing the artist/creator and license information. Note that even material released under sites such as Creative Commons, common open source code licenses, and other similar licensing may need permission or acknowledgement as per the specific license.

How is free hardware awarded?

This is a community contest and all rights reserved to contest host. Contest hosts cannot be held liable for any shipments that do not arrive or are delayed, and are under no obligation to replace lost shipments or missing or broken parts. If you have questions regarding your shipment, please contact the host at liyan@rt-thread.com. Unless otherwise noted, all hardware giveaways are subject to their manufacturer's warranty and/or terms and conditions.

How are prizes awarded?

Limit one (1) prize per person or team. In the event of a tie between any eligible entries, an additional judge will break the tie based on the judging criteria described above. The decisions of the judges are final and binding. If we do not receive full submissions meeting the submission requirements, we may, at our discretion, select fewer winners than the number of contest prizes described in the contest brief.

If you are a potential winner, we will notify you by sending a message to the e-mail address, the phone number, or mailing address (if any) provided at time of entry within fourteen (14) days following completion of judging. If the notification that we send is returned as undeliverable, or you are otherwise unreachable for any reason, we may award to a runner-up. If there is a dispute as to who is the potential winner, we will consider the potential winner to be the authorized account holder of the e-mail address used to enter the contest.

What other conditions am I agreeing to by entering?

By entering this contest you are agreeing to the following statements:

- You agree to abide by these full rules.

- You agree to release and hold harmless all sponsors and their respective parents, subsidiaries, affiliates, employees and agents from any and all liability or any injury, loss or damage of any kind arising from or in connection with this contest, or any prize won.

- You agree that your personal data including your name, email address, personal address, phone number, and any other personal information disclosed during the duration of this contest may be shared with and used by RT-Thread and sponsors in order to facilitate the execution of this contest.

- You agree that RT-Thread and sponsors' decisions will be final and binding on all matters related to this contest.

- You agree that, by accepting a prize, RT-Thread and sponsors may use your proper name and state of residence online and in print, or in any other media, in connection with this contest, without payment or compensation to you, except where prohibited by law.

What laws govern the way this contest is executed and administered?

This contest will be governed by the laws of the China, and you consent to the exclusive jurisdiction and venue of the courts of the China Shanghai for any disputes arising out of this contest.

What if something unexpected happens and the contest can not run as planned?

If someone cheats, or a virus, bug, bot, catastrophic event, or any other unforeseen or unexpected event that cannot be reasonably anticipated or controlled, (also referred to as force majeure) affects the fairness and/or integrity of this contest, we reserve the right to cancel, change or suspend this contest. This right is reserved whether the event is due to human or technical error. If a solution cannot be found to restore the integrity of the contest, we reserve the right to select winners from among all eligible entries received before we had to cancel, change or suspend the contest.

If you attempt, or we have strong reason to believe that you have compromised the integrity or the legitimate operation of this contest by cheating, hacking, creating a bot or other automated program, or by committing fraud in ANY way, we may seek damages from you to the fullest extent permitted by law. Further, we may disqualify you, and ban you from participating in any of our future contests.

Who do I contact about this contest?

If you have any questions or comments regarding this contest, please email us at liyan@rt-thread.com