Press Release

Tokyo, Japan, April 3, 2018

# TRON RTOS API holds 60 percent or more of the share of the API of embedded OS in use. TRON specification OS has been the most popular embedded OS for the 22 consecutive years.

— TRON Forum has published the "FY2017 Survey Report on Embedded Real-time OS Usage Trends" to its members, and plans to sell it to corporate customers from the middle of April.

TRON Forum (Location: Shinagawa, Tokyo, Chair: Ken Sakamura, Dean of INIAD (Information Networking for Innovation and Design), Toyo University) is a proponent of TRON Project, and aims to establish the Open IoT environment that is free of restrictions imposed by organizations or applications by using open source, open data and open API.

It has compiled "FY2017 Survey Report on Embedded Real-time OS Usage Trends." The result shows that approximately 60 percent of the share of "the API of embedded OS in use" is held by T-Kernel specification API (including µT-Kernel specification API) and ITRON specification API. The result shows that TRON RTOS family has occupied the topmost share for the 22 consecutive years since the start of the survey. Also, in the breakdown of embedded OS usage in different application fields, TRON RTOS family occupies the topmost share in the IoT-related devices.

This survey has been held as periodic annual measurement for 22 times so far at the venue of Embedded Technology (ET, organized by Japan Embedded Systems Technology Association: JASA) and its predecessor. The latest FY2017 Survey Report summarizes the result of the questionnaire answered by the respondents through the special website for this survey or on the premise of ET2017 (Embedded Technology 2017) which was held in PACIFICO YOKOHAMA from November 15 to 17, 2017.

TRON Forum publishes the whole content of the survey result on the members-only web pages for Executive Committee/A-/i-/B-/Academic members. If corporations and the members other than the above need the survey result, "Limited to a division-only readership version (100,000 yen excluding tax)" and "Company-wide readership version (200,000 yen excluding tax)" will be on sale through the web shop

(http://www.personal-media.co.jp/webshop/) operated by Personal Media Corporation, one of the Executive Committee members of TRON Forum, from the middle of April.


TRON Forum Research and Study WG conducted this survey. Comments from the WG Chair are in TRONWARE VOL.170, the TRON & IoT technology information magazine, which will be issued by Personal Media Corporation on April 16. Please read the article in addition to the survey result.


**< Press contact >**

TRON Forum Secretariat Office (contact: Mr. Kashiwa)
Phone: +81-03-5437-0572     Fax: +81-3-5437-2399
Email: press@tron.org
URL: http://www.tron.org/
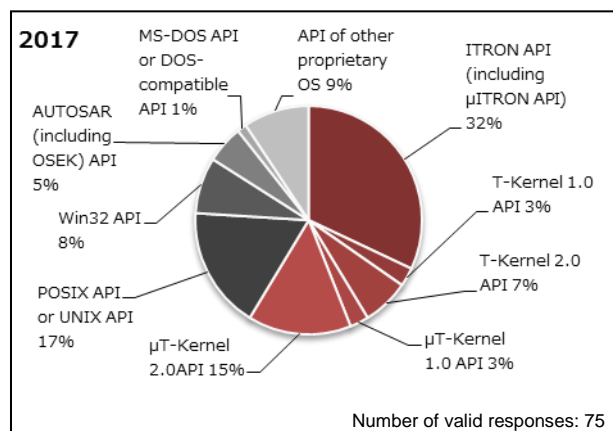
Overview of FY2017 Survey Report on Embedded Real-time OS Usage Trends

1. Survey details

・ Date: November 15 – 17, 2017

・ Venue: Embedded Technology 2017 in PACIFICO YOKOHAMA

・ Survey method: Paper-based questionnaire at the venue or entry through the special website for the survey

・ The number of the respondents: 139 (100 people with valid answers)

2. API of embedded OS (excluding non-use of OS, in 2017 )

・ Approximately 60 percent or more of the share is held by ITRON specification API and T-Kernel specification API.



3. API of embedded OS in different application fields (2017)

・ IoT-related devices are the major portion of recently developed embedded systems, and the usage of TRON RTOS family is growing among such devices.