

[Notes]

R20TS0089EJ0100

Rev.1.00

RX family

Nov. 01, 2016

PTP Get Synchronous Time Using Firmware Integration Technology Modules,
PTP Timer Synchronous Start Using Firmware Integration Technology Modules,
PTP Synchronous Pulse Output Using Firmware Integration Technology Modules,
Ethernet Simple Switch Function Using Firmware Integration Technology Modules,
Ethernet Multicast Frame Filter Function Using Firmware Integration Technology Modules

Outline

When using the products in the title, take note of the problem described in this note regarding the following point.

1. Detection of changes in the link state by the “R_ETHER_LinkProcess” function

1. Detection of Changes in the Link State by the “R_ETHER_LinkProcess” Function

1.1 Applicable Products

- RX family PTP Get Synchronous Time Using Firmware Integration Technology Modules
Revision: Rev1.10
The following document is relevant.
 - Application note for the RX Family PTP Get Synchronous Time Using Firmware Integration Technology Modules
Document no.: R01AN1983EJ0110
- RX family PTP Timer Synchronous Start Using Firmware Integration Technology Modules
Revision: Rev1.10
The following document is relevant.
 - Application note for the RX Family PTP Timer Synchronous Start Using Firmware Integration Technology Modules
Document no.: R01AN1984EJ0110
- RX family PTP Synchronous Pulse Output Using Firmware Integration Technology Modules
Revision: Rev1.10
The following document is relevant.
 - Application note for the RX Family PTP Synchronous Pulse Output Using Firmware Integration Technology Modules
Document no.: R01AN2846EJ0110
- RX family Ethernet Simple Switch Function Using Firmware Integration Technology Modules
Revision: Rev1.10
The following document is relevant.
 - Application note for the RX Family Ethernet Simple Switch Function Using Firmware Integration Technology Modules
Document no.: R01AN3036EJ0110

- RX family Ethernet Multicast Frame Filter Function Using Firmware Integration Technology Modules

Revision: Rev1.10

The following document is relevant.

- Application note for the RX Family Ethernet Multicast Frame Filter Function Using Firmware Integration Technology Modules

Document no.: R01AN3037EJ0110

1.2 Applicable MCUs

RX64M and RX71M groups

1.3 Condition, Details, and Workaround

A problem occurs in the RX family Ethernet Module Using Firmware Integration Technology (r_ether_rx) which is included in the sample programs for the above application notes.

For more information, refer to Renesas Tool News, document no. R20TS0088EJ0100, sections 1.3 to 1.5, at the URL below.

<https://www.renesas.com/search/keyword-search.html#genre=document&documenttype=531&q=r20ts0088>

Title: [Notes]

RX Family
Ethernet Module Using Firmware Integration Technology,
RX Driver Package Ver.1.10,
RX Driver Package Ver.1.11

1.4 Schedule for Fixing the Problem

This problem will be fixed in the next revision (Rev1.11). (To be released in December, 2016)

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Nov. 01, 2016	-	First edition issued

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