

[Upgrade to Revision]

R20TS0825EJ0100

Rev.1.00

Apr. 01, 2022

RX Family

SX-ULPGN-2000 Wi-Fi Module Control Module Using Firmware Integration Technology Rev.1.14

Outline

RX Family SX-ULPGN-2000 Wi-Fi Module Control Module Using Firmware Integration Technology has been updated from Rev.1.13 to 1.14.

In Rev.1.14, a software problem in the earlier version is fixed.

1. Product to Be Updated

RX Family SX-ULPGN-2000 Wi-Fi Module Control Module Using Firmware Integration Technology
Rev.1.13

2. Description

The main change is as follows.

2.1 Issue Fixed

The following issue has been fixed.

If `vsscanf` (standard function) in the following APIs runs while variables of 1[byte] and 2[byte] are assigned to the storages specified by the conversion specifiers `%d` and `%2x`, data in the neighboring addresses of the storage variables may be corrupted.

Cause of the problem: When the conversion specifiers `%d` and `%2x` are used in `vsscanf`, 4[byte] is assigned to the storages. This is in the specifications of the CC-RX, GCC, and IAR toolchains.

- `R_WIFI_SX_ULPGN_Scan()`
- `R_WIFI_SX_ULPGN_GetMacAddress()`
- `R_WIFI_SX_ULPGN_GetTcpSocketStatus()`
- `R_WIFI_SX_ULPGN_ConnectSocket()`
- `R_WIFI_SX_ULPGN_GetServerCertificate()`
- `R_WIFI_SX_ULPGN_EraseAllServerCertificate()`

3. Updating the Product

Download the FIT module and update the software component version with the RX Smart Configurator.

For details, refer to the RX Smart Configurator User's Guide at the following link.

[Firmware Integration Technology \(FIT\)](#)

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Apr.01.22	-	First edition issued

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