

RENESAS TOOL NEWS on September 1, 2012: 120901/tn2

Peripheral Driver Generator Revised to V.2.05

We have revised Peripheral Driver Generator from V.2.04 to V.2.05. This utility program aids you to create on-chip peripheral I/O drivers. Peripheral Driver Generator V.2 is specific to the RX family of MCUs. For an overview of Peripheral Driver Generator, see: <http://www.renesas.com/pdg>
The above URL is one of our global sites.

1. Description of Revision

1.1 Supported MCUs Increased

The revised product supports the RX63N and RX631 groups of MCUs. The following peripheral I/O modules of these MCUs are supported:

- Voltage detection circuit (LVDA)
- Clock generator circuit
- Frequency measurement circuit (MCK)
- Low power consumption
- Register write protection function
- Interrupt control unit (ICUb) and exception handlers
- Buses
- DMA controller (DMACA)
- EXDMA controller (EXDMACa)
- Data transfer controller (DTCa)
- I/O ports
- Multi-function pin controller (MPC)
- Multi-function timer pulse unit 2 (MTU2a)
- Port output enable 2 (POE2a)
- 16-bit timer pulse unit (TPUa)
- Programmable pulse generator (PPG)
- 8-bit timer (TMR)
- Compare match timer (CMT)
- Real-time clock (RTCa)

- Watchdog timer (WDTA)
- Independent watchdog timer (IWDTa)
- Serial communication interface (SCIc and SCId)
- I2C bus interface (RIIC)
- Serial peripheral interface (RSPI)
- IEBus controller(IEB)
- CRC calculator (CRC)
- 12-bit A/D converter (S12ADa)
- 10-bit A/D converter (ADb)
- D/A converter (DAa)
- Temperature sensor

1.2 Capability Introduced

MCUs involved: RX210, RX630, RX63N and RX631groups

The capability for displaying the pin layout has been introduced.

1.3 Problems Fixed

We have been fixed the following problem:

- With using the Low Power Consumption function in the RX630 group of MCUs

For details of the problem, see RENESAS TOOL NEW Document No. 120801/tn4 at:

<http://tool-support.renesas.com/eng/toolnews/120801/tn4.htm>

2. Host System Requirements

Computer: IBM PC/AT or compatible

OS: Windows 7, Windows XP, or Windows Vista

All other necessary software environments:

- .NET Framework 3.5 SP1
- Microsoft Visual C++ 2008 SP1 runtime library

3. Precaution

Some known problems reside in Peripheral Driver Generator V.2.05.

For details of these problems, read through the release note and RENESAS TOOL NEW Document No. 120601/tn6 through /tn10.

You can see these news at:

http://tool-support.renesas.com/eng/toolnews/p_tool_3.htm

4. How to Update Your Product

Update yours in either of the following ways:

(1) Use Auto Update Utility. This service will be available on and

after September 10.

(2) Download the installer of the revised product from:

http://www.renesas.com/pdg_download

Then execute it. The installer will be published on the Web site on September 5.

The above URL is one of our global sites.

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