



Realtime Product Change Notification

Statement

The chips and components of RTS0-1001 VP2.0 carrier board changed (The previous version was: RTS0-1001)

Date of change

2022.09.10

Description of the change information

Description

Some chips and components are replaced, RTS0-1001 VP2.0 is more stable.

Replaced items: 1. PCIe to Ethernet; 2. Ethernet PHY; 3. Some low current power supply chips; 4. Some ESD protection components; 5. CAN PHY; 6. USB power load switch

The reason for the change

Due to uncontrollable reasons, some chips and components were discontinued.

Appearance changes::

1. Add an RTC battery socket (see Figure 2)
2. Micro USB interface changed from curved edge to straight edge (see Figure 2)
3. USB TYPE A changed from curved edge to straight edge (see Figure 3)
4. Ethernet port LED indicator, green light is LINK, yellow light is ACTIVE

Product quality:

No change

Function:

1. Add RTC interface, which can more easily access external RTC batteries.
2. The MIPI interface introduces AON (SPI2_CLK/UART7_TX, SPI2_MISO/UART7_RX) signals, which can output synchronous trigger signals to the camera.
3. USB TYPE C interface power supply load switch optimization, USB TYPE C interface current limit at 1.5A.
4. Fixed the issue that M.2 KEY M access large-capacity SSD was not recognized.

Performance:

No change

Recommended actions

RTS0-1001 VP2.0 carrier board needs to load supporting driver patch when programming system (L4T R32.7.2), Download URL:

<https://www.jianguoyun.com/p/DexhQvQQ5cbrChjjoNYEIAA>

L4T R32.7.2 and above version BSP supports RTS0-1001 VP2.0, Old version RTS0-1001 provides L4T R32.7.2/ R32.7.1/R32.6.1/R32.5.0/R32.4.3/R32.4.2/R32.3.1/R32.2.1/R32.2/R32.1 version BSP; regards to RTS0-1001 VP2.0, If you have other version requirements, please contact Realtimes engineers for help.

The BSP file name supporting RTS0-1001 VP2.0 contains the **V2.0** to distinguish it from the BSP of the old version RTS0-1001.

Patches may appear if customers are unable to fully upgrade L4T. Please contact your Realtimes' support engineers for details.

Hardware version distinction method:

The silkscreen label on the PCB identifies the version of the hardware board.

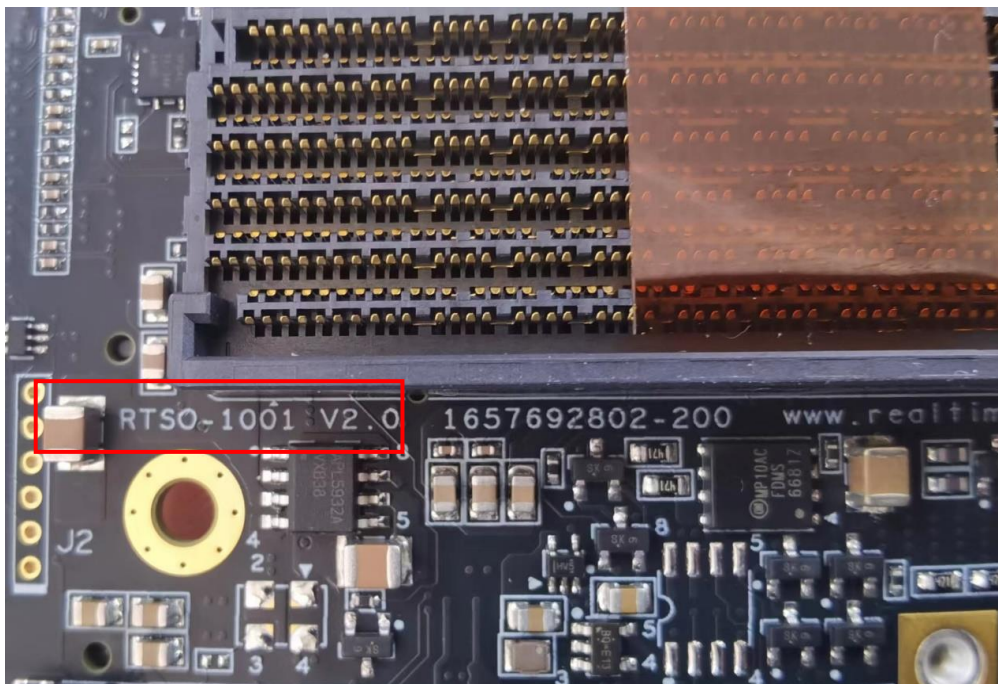


Figure 1

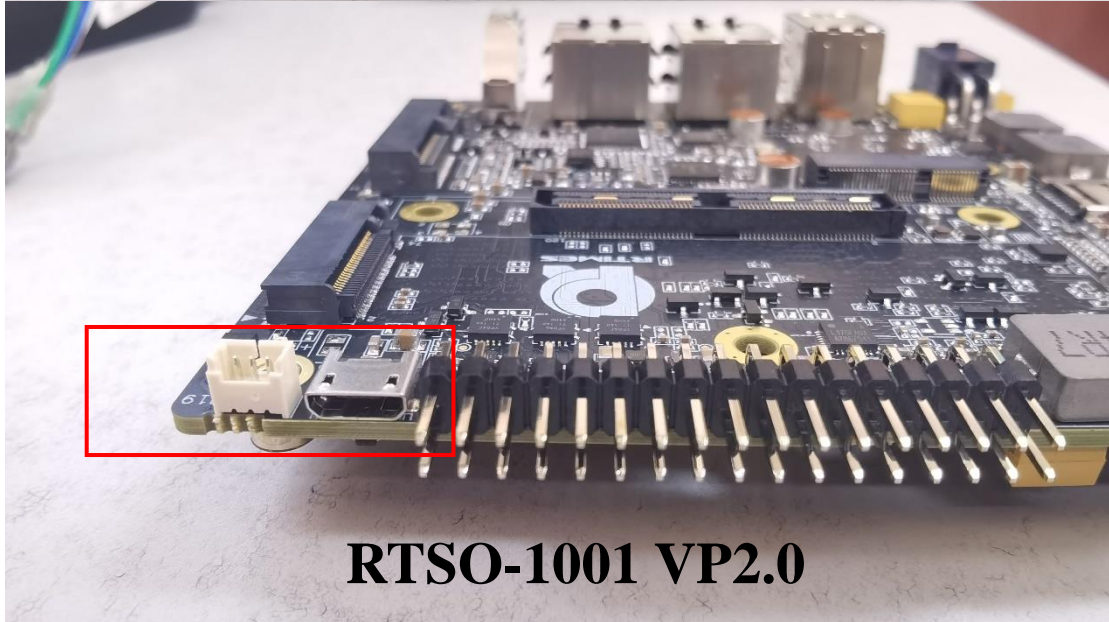
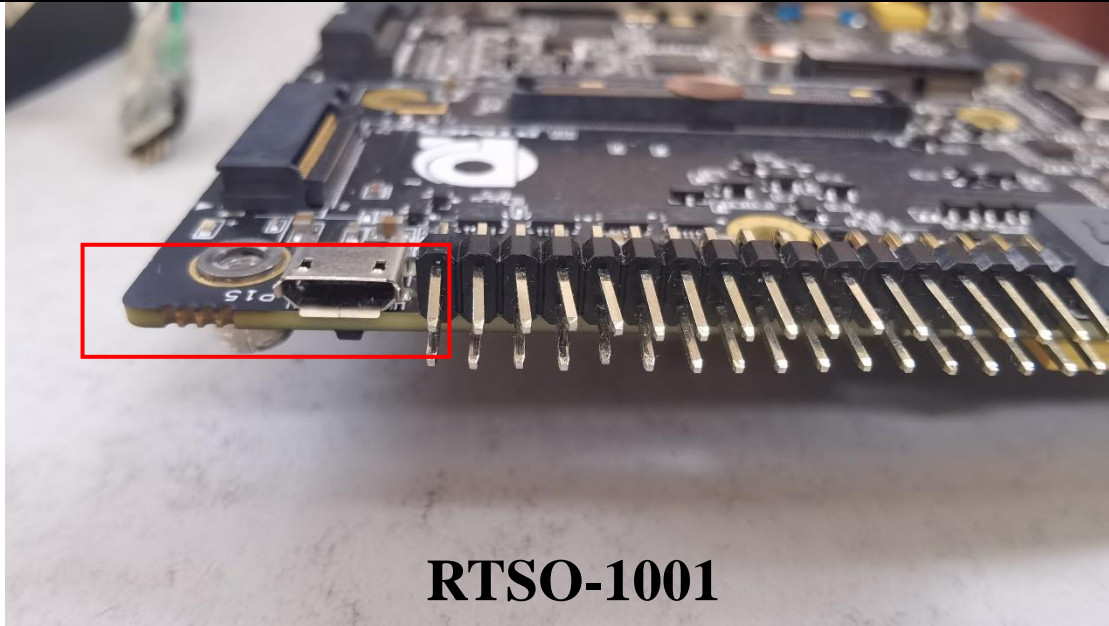


Figure 2

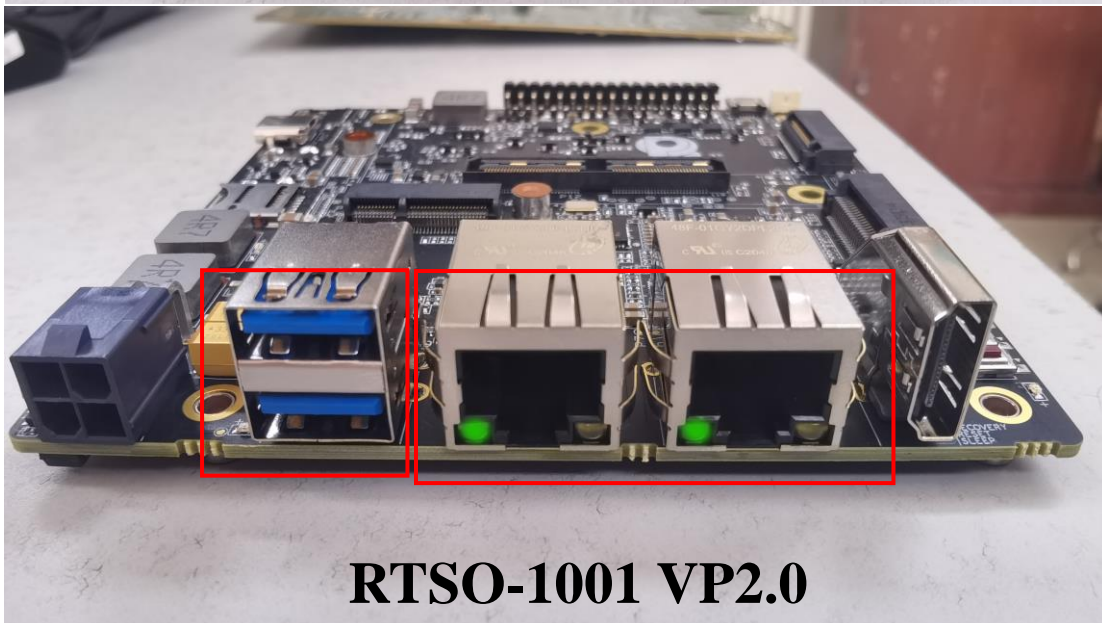
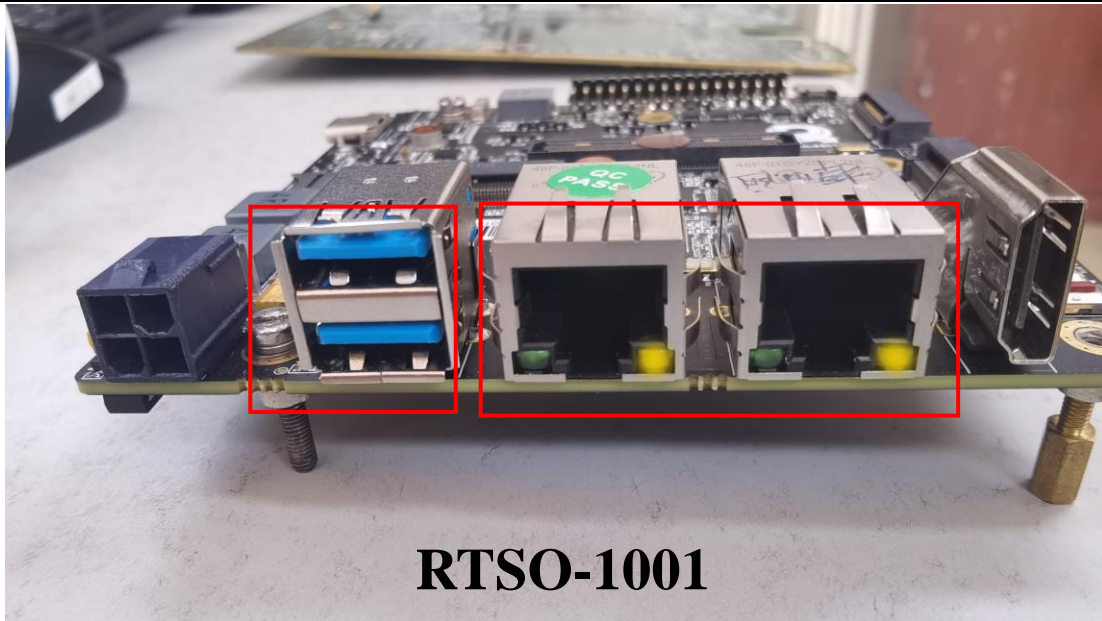


Figure 3

Subsequent updates

The update of follow-up documents, BSP, driver files and other materials will be updated in time on our website after completion. In order to ensure that your information is up-to-date, please pay close attention to our news, and we will push it through the website.

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