

FAQ0015

Frequently Asked Questions

Toggling RXDTS in code causes USB bus error

Questions:

If the RXDTS bit is toggled during code execution, this behavior would cause DATA PID mismatching issue between the host and USB device. For instance, the host sends DATA1, but the USB device remains in RXDTS=0 status (indicating that it expects to receive DATA0). In this case, USB bus error may occur, and the BE flag is set.

Answer:

Clear BE flag immediately in code.

/* clear suspend flag */ usb_flag_clear(usbx, USB_BE_FLAG);

Type: MCU application Applicable products: AT32 series with USB Main function: USB Minor function: None



Document revision history

Date	Revision	Changes
2022.2.16	2.0.0	Initial release

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