

Dear customer

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Fujitsu Micro Electronics Limited  
S y s t e m M i c r o D i v i s i o n  
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### Specification expansion of USB mini-HOST and name change (report)

We would like to inform that HUB control and isochronous transfer in our USB mini-HOST, of which specification has been restricted, are now available to disclose the specification after conducted the system verification.

#### 1. Target devices

MB90330A series : MB90V330A, MB90F335A MB90F334A, and MB90333A  
(Isochronous transfer is not supported.)

MB90335 series : MB90V330A, MB90F337, and MB90337 (Isochronous transfer is not supported.)

MB91610 series : MB91F610A, and MB91613

MB91660 series : MB91V650, MB91F662, MB91664, and MB91661

MB96330 series : MB96F336U, and MB96F338U

#### 2. Details of specification expansion

The specification has been expanded as follows. In accordance with this expansion, the name has been changed to USB HOST.

##### (1) Support for HUB control

HUB control for full-speed, and only when connected to 1 tier of HUB are supported.

##### (2) Support for isochronous transfer

Above devices except for MB90330A series and MB90335 series support the isochronous transfer mode.

For register setting, please refer to the following table.

Token enable bit (TKNENbit: bit 6, 5, and 4) of the host token end point register (HTOKEN)

TKNENbit: bit 6,5,4	Operation
101	Isochronous IN transfer
110	Isochronous OUT transfer

#### 3. Document revision schedule

The revision schedule of the document reflected the correction of the specification expansion is shown in the following table.

Series name	Hardware manual		Data sheet	
	Japanese	English	Japanese	English
MB90335 series	Middle of July '09	Middle of July '09	Middle of July '09	Middle of July '09
MB90330A series	Middle of July '09	Middle of July '09	Middle of July '09	Middle of July '09
MB91610 series	End of August '09	End of August '09	Beginning of August '09	Beginning of August '09
MB91660 series	Middle of June '09	Middle of June '09	End of June '09	End of June '09
MB96330 series	Beginning of September '09	Beginning of September '09	End of August '09	End of August '09

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