

Difference between MA113 & MA112

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Introduction

Both of MA113 and MA112 are USB to UART bridge. But MA113 has more control functions than MA112 that will be used to RS-232 and RS-485 application. The document describes the difference between MA113 and MA112 in the following sections.

Apply To

MA113, MA112

Method

Function	MA112	MA113
Functional Block Diagram		
USB to UART serial data TX/RX	Yes, TXD & RXD	Yes, TXD & RXD
USB Suspend Indicator	Yes, UPD & nUPD	Yes, UPD & nUPD
Modem Signals (RS-232)	No.	Yes, nDTR, nRTS, nDSR, nCTS, nDCD, nRI.
RS-485 Transceiver Control	No.	Yes, DE
UART Serial Data Connection (without flow control)		

UART Serial Data Connection (with flow control)	No.	<div><div>MA113</div><div><div>TXD</div><div>RXD</div><div>nRTS</div><div>nCTS</div><div>nDTR</div><div>nDSR</div><div>nDCD</div><div>nRI</div></div></div> <div><div>RS232 System</div><div><div>RXD</div><div>TXD</div><div>CTS</div><div>RTS</div><div>DSR</div><div>DTR</div></div></div>
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Revision History

Revision V0.01 (2023_0707)		Chapter
1	Initial version	