

# UART Translation Table for DIMM-Series CPU modules



History:  
 V1 20.10.2011/Sr: First version  
 V2 26.11.2013/Sr CPU-Modules DIMM-MX6, DIMM-EMEV2 and DIMM-AM335 added; DIMM-Base Cadun added; DIMM-Base and DIMM-Eco-Base removed  
 V3 04.04.2014/Ko DIMM-Base Tarion added

UART-Interfaces of the CPU modules																		
SODIMM Interface	DIMM-SH7723			DIMM-MX257			DIMM-MX53x			DIMM-MX6x			DIMM-EMEV2			DIMM-AM335x		
	CPU Interface	Software Interface		CPU Interface	Software Interface		CPU Interface	Software Interface		CPU Interface	Software Interface		CPU Interface	Software Interface		CPU Interface	Software Interface	
		WinCE	Linux		WinCE	Linux		WinCE	Linux		WinCE	Linux		WinCE	Linux		WinCE	Linux
UART-A	SCIF3	COM1	ttySC3	UART-1	COM1	ttymxc0	UART-1	COM1	ttymxc0	UART-2	COM2	ttymxc1	UART-0	COM1	ttymxc0	UART-0	COM1	ttymxc0
UART-B	SCIF5	COM2	ttySC5	UART-3	COM3	ttymxc2	UART-2	COM2	ttymxc1	UART-1	COM1	ttymxc0	UART-1	COM2	ttymxc1	UART-1	COM2	ttymxc1
UART-C	SCIF4	COM3	ttySC4	n/a	n/a	n/a	UART-3	COM3	ttymxc2	UART-3	COM3	ttymxc2	UART-2	COM3	ttymxc2	UART-4	COM4	ttymxc3
UART-D	SCIF2	COM5	ttySC2	UART-5	COM5	ttymxc4	UART-4	COM4	ttymxc3	UART-4	COM4	ttymxc3	UART-3	COM4	ttymxc3	UART-3	COM3	ttymxc2
UART-E	SCIF1	COM4	ttySC1	UART-2	COM2	ttymxc1	UART-5	COM5	ttymxc4	UART-5	COM5	ttymxc4	n/a	n/a	n/a	RTS/CTS of UART-3	-	-

Connector Overview of the Baseboards												
SODIMM Interface	DIMM-Base Lothron			DIMM-Base Verno			DIMM-Base Cadun			DIMM-Base Tarion		
	Available on Connector	Connector Type	Signal Level	Available on Connector	Connector Type	Signal Level	Available on Connector	Connector Type	Signal Level	Available on Connector	Connector Type	Signal Level
UART-A	J20 Bottom & J9	DSUB-9 & mini USB	RS232 & USB	J14	DSUB-9	RS232	J14	DSUB-9	RS232	J14	DSUB-9	RS232
UART-B	J20 Top	DSUB-9	RS232	J11	Pinheader	LVTTTL	J11	Pinheader	LVTTTL	J11	Pinheader	LVTTTL
UART-C	J21	Pinheader	LVTTTL	J11	Pinheader	LVTTTL	J11	Pinheader	LVTTTL	J11	Pinheader	LVTTTL
UART-D	J21	Pinheader	LVTTTL	J11	Pinheader	LVTTTL	J11	Pinheader	LVTTTL	J11	Pinheader	LVTTTL
UART-E	J21	Pinheader	LVTTTL	J11	Pinheader	LVTTTL	J11	Pinheader	LVTTTL	J11	Pinheader	LVTTTL