

Operating Mode	Conditions	Baud Rate (Bits Per Seconds)	USART.BAUD Register Value Calculation
Asynchronous	$f_{BAUD} \leq \frac{f_{CLK_PER}}{S}$	$f_{BAUD} = \frac{64 \times f_{CLK_PER}}{S \times BAUD}$	$BAUD = \frac{64 \times f_{CLK_PER}}{S \times f_{BAUD}}$
Synchronous Host	$f_{BAUD} \leq \frac{f_{CLK_PER}}{2}$	$f_{BAUD} = \frac{f_{CLK_PER}}{2 \times BAUD[15:6]}$	$BAUD[15:6] = \frac{f_{CLK_PER}}{2 \times f_{BAUD}}$