

registers

TMOD	G C/T M1 M0 G C/T M1 M0
SCON	SM0 SM1 SM2 REN T8 R8 TI RI
IE	EA - ET2 ES ET1 EX1 ET0 EX0
TCON	F1 R1 F0 R0 IE1 IT1 IE0 IT0

TIMERS

SET TMOD
 INITIALIZE TL , TH
 Start Timer TR=1
 Poll [While(TF == 0); TR=0; TF=0;]

BAUD RATE

Baud Rate	TH1 (Decimal)	TH1 (HEX)
9600	-3	FD
4800	-6	FA
2400	-12	F4
1200	-24	E8

SERIAL

TMOD = 0X20
 TH1= -3 (BAUD RATE)
 SCON = 0X50
 SBUF= data;
 poll/ISR for TI/ RI

PRIORITY ORDER

Interrupt	number	pin
INT0	0	P3.2
TF0	1	P3.4
INT1	2	P3.3
TF1	3	P3.5
RI+TI	4	P3.0(Rx)+P3.1(Tx)

INTERRUPT

ISR definition
 void fxn() interrupt [] {}
 enable interrupts IE



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Published 21st April, 2019.

Last updated 21st April, 2019.

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