

EPSON 4-bit MCU S1C62920 SPEC

Model	S1C62920
Supply Voltage	2.2~5.5V
Instruction set	108 types
Instruction execution time	During operation at 32kHz: 153μsec, 214μsec, 366μsec During operation at 1MHz: 5μsec, 7μsec, 12μsec
ROM capacity	2,048 words x12 bits
RAM capacity	128 words x 4 bits
I/O port	8 bits (Pull up resistors that function during input mode may be supplemented *1) May be switched to serial I/O port (*2)
Serial interface	1 port (Clock synchronous type)
R/F converter	1 reference resistance x 3 sensors, 16-bit counter DC bias sensor may be connected
LCD driver	22 segments x 2 to 4 commons 1/2~ 1/4 duty dynamic drive may be selected (*1)
Timer base counter	Clock timer: 1 system
SVD circuit	One of the following may be set: 2.4 V, 2.5 V, 2.6 V, 2.7 V (*1)
Watchdog timer	Built-in
External interrupt	Input port interrupt: 1 systems
Internal interrupt	Clock timer interrupt: 1 systems R/F converter interrupt: 1 systems Serial interface interrupt: 1system
Current consumption (Typical)	HALT: 2.0μA (3 V, Typ.) Operation: 5.0μA (3 V, 32kHz, Typ.) 270μA (3 V, 1MHz, Typ.)
Package	QFP6-64pin / QFP13-64pin (plastic) or chip (dice)

*1 May be selected with mask option

*2 May be selected with software