

Product specifications

Product model number	S1C17M10
CPU core	16-bit RISC processor + multiply and accumulation unit, multiplier
Flash memory	64 KB
RAM	4 KB
Operating voltage	Guaranteed operating range: 1.8 V - 5.5 V Operating voltage when writing to Flash memory: 2.7 V - 3.6 V (when using internal Vpp ^[4])
Current consumption	SLEEP mode RTC OFF: 0.16 μ A (typical) HALT mode RTC ON: 0.6 μ A (typical) RUN mode 145 μ A/MHz (typical)
Supply voltage detector	VDD: 28 levels (1.8 to 5.0 V) / external voltage: 32 levels (1.2 to 5.0 V)
Smart card interface	1 channel Baud rate generator
LCD driver	1,280 dots max. (80 SEG x 9-16 COM) 704 dots max. (88 SEG x 1-8 COM)
Real-time clock	128- 1 Hz counter. Second, minute, hour, day, day of the week, month, and year counters. Theoretical regulation function for 1-second correction ^[5] Alarm and stopwatch functions
Serial interfaces	1-channel UART, 1-channel SPI, and 1-channel I2C interfaces
I/O ports	32 max.
Package	TQFP15-128 pin (lead pitch: 0.4 mm) Bare die with 80 μ m (min.) pad pitch 80 μ m (min.)