

# Specifications of MB95260H series, MB95270H series, and MB95280H series microcontrollers

Series		MB95260H series						MB95270H series						MB95280H series					
Part Number		MB95F264H	MB95F263H	MB95F262H	MB95F264K	MB95F263K	MB95F262K	MB95F284H	MB95F283H	MB95F282H	MB95F284K	MB95F283K	MB95F282K	MB95F274H	MB95F273H	MB95F272H	MB95F274K	MB95F273K	MB95F272K
Memory		Flash Memory																	
ROM Size		20KB	12KB	8KB	20KB	12KB	8KB	20KB	12KB	8KB	20KB	12KB	8KB	20KB	12KB	8KB	20KB	12KB	8KB
RAM Size		496B	496B	240B	496B	496B	240B	496B	496B	240B	496B	496B	240B	496B	496B	240B	496B	496B	240B
CPU	CPU core	F <sup>2</sup> MC-8FX (8bit CISC CPU)																	
	Instructions	136 Instructions																	
	Min. Instruction Execution Time	61.5ns																	
	Max. Frequency	16.25MHz																	
Internal CR Oscillator	Main Clock	1/8/10MHz, ±3% precision																	
	Sub-Clock	Typ: 100kHz, min: 50kHz, max: 200kHz																	
Low-Power Modes		Sleep mode, Stop mode, Time base timer mode, Clock mode																	
Low-Voltage Detection Circuit		-			Yes			-			Yes			-			Yes		
I/O	CMOS	15						11						3					
	N-ch Open Drain	1			2			1			2			1			2		
Watch-Dog Timer		Hardware/Software Watch-Dog Timer																	
LIN-UART		1ch												-					
A/D Converters		6ch						5ch						2ch					
		Can select 8bit or 10bit * Guaranteed precision over range 4.0V ~ 5.5V																	
Composite Timer * Select from PMC, PWM, Interval timer, Input capture		8bit×4ch Can select 8bit or 16bit timer For 16bit, 2ch						8bit×2ch Can select 8bit or 16bit timer For 16bit, 1ch											
External Interrupts		6ch												2ch					
Clock Supervisor		Yes																	
Operating Voltage		2.4V ~ 5.5V *2.9V ~ 5.5V in debug mode																	
Operating Temperatures		-40°C ~+85°C																	
Package		SDIP-24/SOP-20/TSSOP-20						DIP-16/SOP-16						DIP-8/SOP-8					
		*QFN-32 in development																	