

MICROCHIP Extreme Low Power Microcontrollers



Memory Size		I/O Pins	Timer/Counters 8/16-bit	UART	I ² C™	SPI™	PWM	A/D	Analog Comp.	Int. Osc.	Clock Speed (MHz)	VCC (V)	Operating Temp.	Package	Digi-Key Part No.	Price Each			
Program Words	RAM Bytes															EEPROM Bytes	1	10	25
2K	128	—	25	2/1	1 (AUSART), 1 (EUSART)	1	1	2	11-ch. 8-bit	2	16MHz	20	1.8 - 5.5	Ind.	28-UQFN	PIC16F722-I/MV-ND✓	2.29	1.80	1.65
	256	256	16	2/1	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-QFN	PIC16F1826-I/ML-ND✓	2.18	1.71	1.58
	256	256	16	2/1	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-UQFN	PIC16F1826-I/MV-ND✓	2.02	1.71	1.56
	256	256	16	2/1	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	18-DIP	PIC16F1826-I/P-ND✓	2.04	1.61	1.47
	256	256	16	2/1	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	18-SOIC	PIC16F1826-I/SO-ND✓	1.91	1.50	1.37
	256	256	16	2/1	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	20-SSOP	PIC16F1826-I/SS-ND✓	1.91	1.50	1.37
4K	192	—	25	2/1	1 (AUSART), 1 (EUSART)	1	1	2	11-ch. 8-bit	2	16MHz	20	1.8 - 5.5	Ind.	28-UQFN	PIC16F723-I/MV-ND✓	2.54	2.01	1.85
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-QFN	PIC16F1827-I/ML-ND✓	2.31	1.82	1.67
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-UQFN	PIC16F1827-I/MV-ND✓	2.15	1.82	1.67
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	18-DIP	PIC16F1827-I/P-ND✓	2.18	1.71	1.58
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	18-SOIC	PIC16F1827-I/SO-ND✓	2.04	1.61	1.47
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	20-SSOP	PIC16F1827-I/SS-ND✓	2.04	1.61	1.47
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-QFN	PIC16LF1827-I/ML-ND✓	2.31	1.82	1.67
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-UQFN	PIC16LF1827-I/MV-ND✓	2.15	1.82	1.67
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	18-DIP	PIC16LF1827-I/P-ND✓	2.18	1.71	1.58
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	18-SOIC	PIC16LF1827-I/SO-ND✓	2.04	1.61	1.47
	384	256	16	4/1	1 (AUSART), 1 (EUSART)	2	2	2	12-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	20-SSOP	PIC16LF1827-I/SS-ND✓	2.04	1.61	1.47
	256	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-QFN	PIC16LF1933-I/ML-ND✓	2.65	2.08	1.91
	256	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-SOIC	PIC16LF1933-I/SO-ND✓	2.47	1.95	1.79
	256	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-SDIP	PIC16LF1933-I/SP-ND✓	2.76	2.17	1.99
	256	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-SSOP	PIC16LF1933-I/SS-ND✓	2.42	1.91	1.74
	256	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	44-QFN	PIC16F1934-I/ML-ND✓	3.05	2.41	2.20
	256	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	40-PDIP	PIC16F1934-I/P-ND✓	3.16	2.50	2.28
	256	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	44-TQFP	PIC16F1934-I/PT-ND✓	2.90	2.27	2.09
	256	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	44-QFN	PIC16LF1934-I/ML-ND✓	3.05	2.41	2.20
	256	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	40-PDIP	PIC16LF1934-I/P-ND✓	3.16	2.50	2.28
	256	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	44-TQFP	PIC16LF1934-I/PT-ND✓	2.90	2.27	2.09
	256	256	17	1/3	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	16MHz, 31kHz	64	1.8 - 3.6	Ind.	20-QFN	PIC18LF13K22-I/ML-ND✓	2.85	2.25	2.06
	256	256	17	1/3	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	16MHz, 31kHz	64	1.8 - 3.6	Ind.	20-PDIP	PIC18LF13K22-I/P-ND✓	3.10	2.44	2.24
	256	256	17	1/3	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	16MHz, 31kHz	64	1.8 - 3.6	Ind.	20-SOIC	PIC18LF13K22-I/SO-ND✓	2.90	2.27	2.09
256	256	17	1/3	1 (AUSART), 1 (EUSART)	1	1	1	12-ch. 10-bit	2	16MHz, 31kHz	64	1.8 - 3.6	Ind.	20-SSOP	PIC18LF13K22-I/SS-ND✓	2.63	2.06	1.89	
512	256	25	1/3	1 (AUSART), 1 (EUSART)	1	1	1	10-ch. 10-bit	2	16MHz, 32kHz	64	1.8 - 3.6	Ind.	28-UQFN	PIC18F23K20-I/MV-ND✓	2.65	2.08	1.91	
512	—	12	—/3	1 (UART)	1	1	1	7-ch. 10-bit	2	8MHz, 32kHz	32	1.8 - 3.6	Ind.	14-PDIP	PIC24F04KA200-I/P-ND✓	2.47	1.93	1.78	
512	—	12	—/3	1 (UART)	1	1	1	7-ch. 10-bit	2	8MHz, 32kHz	32	1.8 - 3.6	Ind.	14-TSSOP	PIC24F04KA200-I/ST-ND✓	2.27	1.78	1.63	
512	—	18	—/3	1 (UART)	1	1	1	9-ch. 10-bit	2	8MHz, 32kHz	32	1.8 - 3.6	Ind.	20-QFN	PIC24F04KA201-I/MQ-ND✓	2.63	2.06	1.89	
512	—	18	—/3	1 (UART)	1	1	1	9-ch. 10-bit	2	8MHz, 32kHz	32	1.8 - 3.6	Ind.	20-PDIP	PIC24F04KA201-I/P-ND✓	2.94	2.30	2.11	
512	—	18	—/3	1 (UART)	1	1	1	9-ch. 10-bit	2	8MHz, 32kHz	32	1.8 - 3.6	Ind.	20-SOIC	PIC24F04KA201-I/SO-ND✓	2.63	2.07	1.90	
512	—	18	—/3	1 (UART)	1	1	1	9-ch. 10-bit	2	8MHz, 32kHz	32	1.8 - 3.6	Ind.	20-SSOP	PIC24F04KA201-I/SS-ND✓	2.45	1.93	1.77	
368	—	36	3/1	1 (AUSART), 1 (EUSART)	1	1	2	14-ch. 8-bit	2	16MHz, 31kHz	20	1.8 - 3.6	Ind.	44-QFN	PIC16LF707-I/ML-ND✓	3.48	2.73	2.51	
368	—	36	3/1	1 (AUSART), 1 (EUSART)	1	1	2	14-ch. 8-bit	2	16MHz, 31kHz	20	1.8 - 3.6	Ind.	40-PDIP	PIC16LF707-I/P-ND✓	3.59	2.82	2.59	
368	—	36	3/1	1 (AUSART), 1 (EUSART)	1	1	2	14-ch. 8-bit	2	16MHz, 31kHz	20	1.8 - 3.6	Ind.	44-TQFP	PIC16LF707-I/PT-ND✓	3.30	2.60	2.38	
368	—	25	2/1	1 (AUSART), 1 (EUSART)	1	1	2	11-ch. 8-bit	2	16MHz	20	1.8 - 5.5	Ind.	28-UQFN	PIC16F726-I/MV-ND✓	2.83	2.24	2.05	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-QFN	PIC16F1936-I/ML-ND✓	2.78	2.19	2.00	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-SOIC	PIC16F1936-I/SO-ND✓	2.63	2.06	1.89	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-SDIP	PIC16F1936-I/SP-ND✓	2.90	2.27	2.09	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-SSOP	PIC16F1936-I/SS-ND✓	2.56	2.00	1.84	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	28-UQFN	PIC16F1936-I/MV-ND✓	2.76	2.19	2.00	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-QFN	PIC16LF1936-I/ML-ND✓	2.78	2.19	2.00	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-SOIC	PIC16LF1936-I/SO-ND✓	2.63	2.06	1.89	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-SDIP	PIC16LF1936-I/SP-ND✓	2.90	2.27	2.09	
512	256	25	4/1	1 (AUSART), 1 (EUSART)	1	1	3	11-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	28-SSOP	PIC16LF1936-I/SS-ND✓	2.56	2.01	1.85	
512	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	44-QFN	PIC16F1937-I/ML-ND✓	3.19	2.52	2.31	
512	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	40-PDIP	PIC16F1937-I/P-ND✓	3.30	2.60	2.38	
512	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 5.5	Ind.	44-TQFP	PIC16F1937-I/PT-ND✓	3.03	2.38	2.18	
512	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	44-QFN	PIC16LF1937-I/ML-ND✓	3.19	2.52	2.31	
512	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	40-PDIP	PIC16LF1937-I/P-ND✓	3.30	2.60	2.38	
512	256	36	4/1	1 (AUSART), 1 (EUSART)	1	1	3	14-ch. 10-bit	2	32MHz, 32kHz	32	1.8 - 3.6	Ind.	44-TQFP	PIC16LF1937-I/PT-ND✓	3.03	2.38	2.18	
512	256	53	4/1	2 (AUSART), 2 (EUSART)	2	2	3	17-ch. 10-bit	3	32MHz, 32kHz	32	1.8 - 5.5	Ind.	64-QFN	PIC16F1946-I/MR-ND✓	3.59	2.83	2.60	
512	256	53	4/1	2 (AUSART), 2 (EUSART)	2	2	3	17-ch. 10-bit	3	32MHz, 32kHz	32	1.8 - 5.5	Ind.	64-QFN	PIC16F1946-I/ML-ND				