

Feature	Teensy	Teensy++	Teensy	Teensy	Teensy	Teensy	Teensy	Teensy	Units
	2.0	2.0	LC	3.2	3.5	3.6	4.0	4.1	
Processor	ATMEGA32U4	AT90USB1286	MKL26Z64VFT4	MK20DX256VLH7	MK64FX512VMD12	MK66FX1M0VMD18	IMXRT1062DVL6A	IMXRT1062DVJ6A	
Core	AVR	AVR	Cortex-M0+	Cortex-M4	Cortex-M4F	Cortex-M4F	Cortex-M7	Cortex-M7	
FPU	-	-	-	-	32	32	32 & 64	32 & 64	bits
Rated Speed	16	16	48	72	120	180	600	600	MHz
Overclockable	-	-	-	96	-	240	912	912	MHz
Flash Memory	31.5	127	62	256	512	1024	1984	7936	kbytes
Bandwidth	32	32	96	192	192	411	66	66	Mbytes/sec
Cache	-	-	64	256	256	8192	65536	65536	Bytes
RAM	2.5	8	8	64	256	256	1024	1024	kbytes
EEPROM	1024	4096	128 (emu)	2048	4096	4096	1080 (emu)	4284 (emu)	bytes
Direct Memory Access	-	-	4	16	16	32	32	32	Channels
Digital I/O	25	46	27	34	58	58	40	55	Pins
Breadboard I/O	22	36	24	24	40+2	40+2	24	42	Pins
Voltage Output	5V	5V	3.3V / 5V	3.3V	3.3V	3.3V	3.3V	3.3V	Volts
Current Output	20mA	20mA	5mA / 20mA	10mA	10mA	10mA	10mA	10mA	milliAmps
Voltage Input	5V	5V	3.3V Only	5V Tolerant	5V Tolerant	3.3V Only	3.3V Only	3.3V Only	Volts
Interrupts	4	8	18	34	58	58	40	55	Pins
Analog Input	12	8	13	21	27	25	14	18	Pins
Converters	1	1	1	2	2	2	2	2	
Usable Resolution	10	10	12	13	13	13	10	10	Bits
Prog Gain Amp	1	1	-	2	-	-	-	-	
Touch Sensing	-	-	11	12	-	11	-	-	Pins
Comparators	1	1	1	3	3	4	4	4	
Analog Output	-	-	1	1	2	2	-	-	Pins
DAC Resolution	-	-	12	12	12	12	-	-	Bits
Timers	4 Total	4 Total	7 Total	12 Total	17 Total	19 Total	49 Total	49 Total	Pins
PWM, 32 bit	-	-	-	-	-	-	3	3	
PWM, 16 bit	2	2	3	3	4	6	32	32	
PWM, 8-10 bit	2	2	-	-	-	-	-	-	
Total PWM Outputs	7	9	10	12	20	22	27	31	
PDB Type	-	-	-	1	1	1	-	-	
CMT Type	-	-	-	1	1	1	-	-	
Quadrature Enc	-	-	-	-	-	-	4	4	
LPTMR Type	-	-	1	1	1	1	-	-	
PIT/Interval	-	-	2	4	4	4	4	4	
IEEE1588	-	-	-	-	4	4	4	4	
Systick	-	-	1	1	1	1	1	1	
RTC	-	-	0	1	1	1	1	1	
Communication									
USB	1	1	1	1	1	2	2	2	
Serial	1	1	3	3	6	6	7	8	
With FIFOs	-	-	-	2	2	2	7	8	
High Res Baud	-	-	-	3	6	5	-	-	
SPI	1	1	2	1	3	3	2	2	
With FIFOs	-	-	1	1	1	1	2	2	
I2C	1	1	2	2	3	4	3	3	
CAN Bus	-	-	-	1	1	2	3	3	
With CAN-FD	-	-	-	-	-	-	1	1	
Digital Audio In	-	-	1	2	2	2	5	5	stereo pins
Digital Audio Out	-	-	1	2	2	2	5	5	stereo pins
S/PDIF Input	-	-	-	-	-	-	1	1	
S/PDIF Output	-	-	-	0	0	0	1	1	
MQS Output	-	-	-	-	-	-	1	1	
SD Card	-	-	-	-	1	1	1	1	
Ethernet	-	-	-	-	1	1	-	1	UU