

| Microcontroller | Package | FLASH | SRAM | EEPROM | I/O Pins | Timers | A/D | SPI | I ² C | PWM | USART | Oscillator |
|-----------------|---------|-------|-------|--------|----------|----------|------------|-----|------------------|-----|-------|------------|
| 28 Pin PDIP | | | | | | | | | | | | |
| ATMEGA48V-10PI | PDIP28 | 4k | 512 | 256 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 6 | Yes | 10 |
| ATMEGA8A-PU | PDIP28 | 8k | 1024 | 512 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 3 | Yes | 16 |
| ATMEGA8L-8PU | PDIP28 | 8k | 1024 | 512 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 3 | Yes | 8 |
| ATMEGA88-20PU | PDIP28 | 8k | 1024 | 512 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA88PA-PU | PDIP28 | 8k | 1024 | 512 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA88V-10PU | PDIP28 | 8k | 1024 | 512 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 6 | Yes | 10 |
| ATMEGA168-20PU | PDIP28 | 16k | 1024 | 512 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA168V-10PU | PDIP28 | 16k | 1024 | 512 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 6 | Yes | 10 |
| ATMEGA328-PU | PDIP28 | 32k | 2048 | 1024 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA328P-PU | PDIP28 | 32k | 2048 | 1024 | 23 | 2x8,1x16 | 6x10-bit | Yes | Yes | 6 | Yes | 20 |
| 40 Pin PDIP | | | | | | | | | | | | |
| ATMEGA8515-16PU | PDIP40 | 8k | 512 | 512 | 35 | 1x8,1x16 | Comparator | Yes | Yes | 3 | Yes | 16 |
| ATMEGA8515L-8PU | PDIP40 | 8k | 512 | 512 | 35 | 1x8,1x16 | Comparator | Yes | Yes | 3 | Yes | 8 |
| ATMEGA8535-16PU | PDIP40 | 8k | 512 | 512 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 16 |
| ATMEGA8535L-8PU | PDIP40 | 8k | 512 | 512 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 8 |
| ATMEGA16-16PU | PDIP40 | 16k | 1024 | 512 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 16 |
| ATMEGA16A-PU | PDIP40 | 16k | 1024 | 512 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 16 |
| ATMEGA162-16PU | PDIP40 | 16k | 1024 | 512 | 35 | 2x8,2x16 | Comparator | Yes | Yes | 6 | Yes | 16 |
| ATMEGA32-16PU | PDIP40 | 32k | 2048 | 1024 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 16 |
| ATMEGA32A-PU | PDIP40 | 32k | 2048 | 1024 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 16 |
| ATMEGA32L-8PU | PDIP40 | 32k | 2048 | 1024 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 8 |
| ATMEGA644-20PU | PDIP40 | 64k | 4096 | 2048 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA644P-20PU | PDIP40 | 64k | 4096 | 2048 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA644PA-PU | PDIP40 | 64k | 4096 | 2048 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA644V-10PU | PDIP40 | 64k | 4096 | 2048 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 10 |
| ATMEGA1284P-PU | PDIP40 | 128k | 16384 | 4096 | 32 | 2x8,2x16 | 8x10-bit | Yes | Yes | 6 | Yes | 20 |
| 32 Pin TQFP | | | | | | | | | | | | |
| ATMEGA48-20AU | TQFP32 | 4k | 512 | 256 | 23 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA48V-10AU | TQFP32 | 4k | 512 | 256 | 23 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 10 |
| ATMEGA8-16AU | TQFP32 | 8k | 1024 | 512 | 23 | 2x8,1x16 | 8x10-bit | Yes | Yes | 3 | Yes | 16 |
| ATMEGA168-20AU | TQFP32 | 16k | 1024 | 512 | 23 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA168PA-AU | TQFP32 | 16k | 1024 | 512 | 23 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 20 |
| ATMEGA168V-10AU | TQFP32 | 16k | 1024 | 512 | 23 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 10 |
| ATMEGA328P-AU | TQFP32 | 32k | 2048 | 1024 | 23 | 2x8,1x16 | 8x10-bit | Yes | Yes | 6 | Yes | 20 |
| 44 Pin TQFP | | | | | | | | | | | | |
| ATMEGA162-16AU | TQFP44 | 16k | 1024 | 512 | 35 | 2x8,1x16 | Comparator | Yes | Yes | 6 | Yes | 16 |
| ATMEGA16L-8AU | TQFP44 | 16k | 1024 | 512 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 8 |
| ATMEGA32L-8AI | TQFP44 | 32k | 2048 | 1024 | 32 | 2x8,1x16 | 8x10-bit | Yes | Yes | 4 | Yes | 8 |
| 64 Pin TQFP | | | | | | | | | | | | |
| ATMEGA64-16AU | TQFP64 | 64k | 4k | 2k | 53 | 2x8,2x16 | 8x10-bit | Yes | Yes | 6 | 2 | 16 |
| ATMEGA64A-AU | TQFP64 | 64k | 4k | 2k | 53 | 2x8,2x16 | 8x10-bit | Yes | Yes | 6 | 2 | 16 |
| ATMEGA64L-8AU | TQFP64 | 64k | 4k | 2k | 53 | 2x8,2x16 | 8x10-bit | Yes | Yes | 6 | 2 | 8 |
| ATMEGA128-16AU | TQFP64 | 128k | 4k | 4k | 53 | 2x8,2x16 | 8x10-bit | Yes | Yes | 6 | 2 | 16 |
| ATMEGA128A-AU | TQFP64 | 128k | 4k | 4k | 53 | 2x8,2x16 | 8x10-bit | Yes | Yes | 6 | 2 | 16 |
| ATMEGA128L-8AU | TQFP64 | 128k | 4k | 4k | 53 | 2x8,2x16 | 8x10-bit | Yes | Yes | 6 | 2 | 8 |