# SparkFun MicroMod Teensy Processor


The SparkFun MicroMod Teensy Processor leverages the awesome computing power of the NXP iMXRT1062 chip and pairs it with the M.2 MicroMod connector to allow you to plug it into your choice of compatible MicroMod Carrier Board. With the M.2 MicroMod connector, connecting your Teensy Processor is a breeze. Simply match up the key on your processor's beveled edge connector to the key on the M.2 connector and secure it with a screw (included with all Carrier Boards). Adding a Teensy to your desired project has never been easier!

The Teensy Processor Board boasts some impressive computing power with an ARM Cortex-M7 processor operating at clock speeds up to 600MHz, 16MB Flash Memory and 1024K RAM Memory. On top of all that processing power, the board features *seven* serial UART ports, four $I^2C$ buses, two SPI ports, CAN-Bus, 12 GPIO, dedicated digital,

analog, and PWM pins, USB Host and Device capability up to 480Mbit/s, digital audio and since many of the pins on the iMXRT1062 support multiple signal types you can customize it even further depending on your project's needs.

Teensy is a registered trademark of PJRC. The MicroMod Teensy is a collaboration between PJRC and SparkFun.

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*MicroMod is a modular interface ecosystem that connects a microcontroller "processor board" to various "carrier board" peripherals. Utilizing the M.2 standard, the MicroMod standard is designed to easily swap out processors on the fly. Pair a specialized carrier board for the project you need with your choice of compatible processor!*