



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



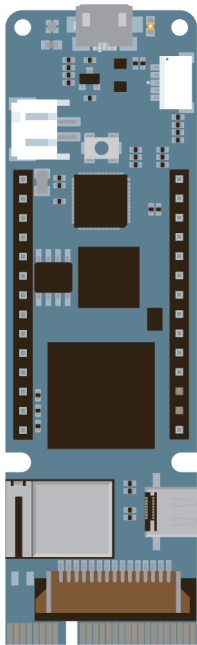
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4000

Looking for a board for a very specific use that Arduino doesn't make?

Or maybe you want a more complex central board, optimized for your particular needs that will interface with all other Arduino boards and devices. The MKR VIDOR 4000 is highly configurable and powerful, and it perform high-speed digital audio and video processing.

**STORE ARDUINO CC ARDUINO MKR VIDOR 4000**



4000

- With the MKR VIDOR 4000 you can configure it the way you want; you can essentially create your own controller board. It comes loaded with hardware and potential: an 8 MB SDRAM; a 2 MB QSPI Flash chip — 1 MB allocated for user applications; a Micro HDMI connector; an MIPI camera connector; and Wifi & BLE powered by U-BLOX NINA W10 Series. It also includes the classic MKR interface on which all pins are driven both by SAMD21 and FPGA. Plus, it has a Mini PCI Express connector with up to 25 user programmable pins.
- The FPGA contains 16K Logic Elements, 504 KB of embedded RAM, and 56 18x18 bit HW multipliers for high-speed DSP. Each pin can toggle at over 150 MHz and can be configured for functions such as UARTs, (Q)SPI, high resolution/high frequency PWM, quadrature encoder, I2C, I2S, Sigma Delta DAC, etc.

Microcontroller	SAMD21
Architecture	ARM Cortex-M0+ 32bit plus Cyclone 10
Operating Voltage	3.3V
Flash Memory	256 KB
SRAM	32 KB
Clock Speed	48 MHz
DC Current per I/O Pin	3 mA (I/O Pins)

Connectivity	Wi-Fi w/ NINA W102
Peripherals	Programmable Cyclone 10 accelerator w/ 8MB RAM
Digital I/O Pins	20 (headers) +32 (mPCI)
Interfaces	I2C, SPI, UART, mPCI express MIPI Camera, miniHDMI
PWM Output	12 (D21)/22 (Cyclone 10)
Analog I/O Pins	7/1
Power Consumption	< 100 mA < 10 mA (low power, Wi-Fi off)
Weight	9 g
Product Code	ABX00022