

[Jupiter Nano](#) - kampaň na crowdfund bola úspešná a doska mieri do výroby.

Ešte zostalo pár kusov!

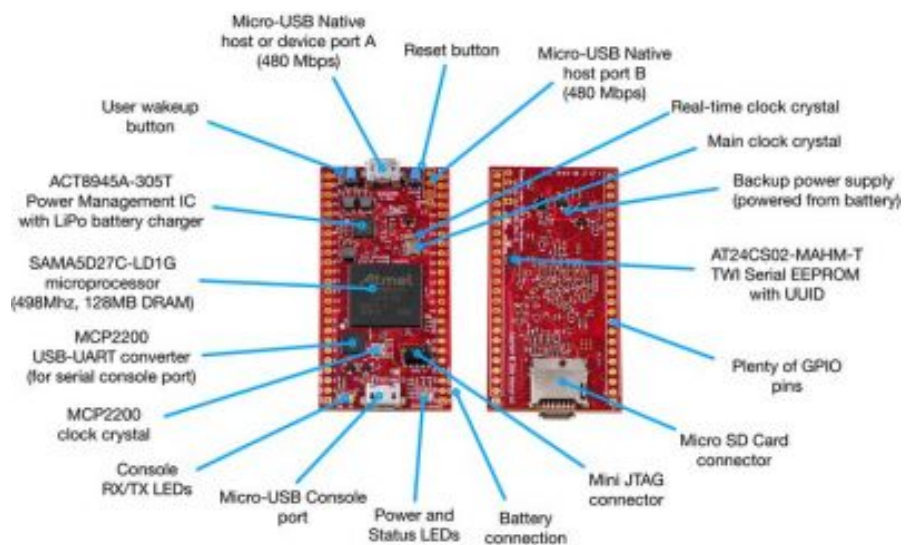
Jupiter Nano je malinký, ale výkonný počítač, na ktorom beží Linux alebo RTOS NuttX.

Jadrom je CPU: Microchip SAMA5D27C-LD1G bežiaci na 498 MHz.

Vlastnosti

- Runs NuttX RTOS or Linux: Das U-Boot open-source boot loader works for Linux and NuttX (or Linux can be booted directly)
- Size:
 - 48-pin form factor
 - 2.86 cm x 6.35 cm (1.125" x 2.5")
 - Similar in size to Teensy 4.1
- Programming: JTAG port for programming and debugging
- CPU: Microchip SAMA5D27C-LD1G running at 498 MHz
- DRAM: AP Memory AD2100XXX 128 M x 32 LPDDR2 DRAM chip integrated into system-in-package (SIP)
- Power management: Qorvo ACT8945A with integrated LiPo battery charging capability
- Power delivery: Compatible with many LiPo batteries
- Open Hardware: Design can be altered using 100% open source KiCAD software
- 10x more powerful than the Arduino Due:
 - ARM Cortex A5 processor running at 498 MHz (7x the clock speed of an Arduino Due)
 - 128 MB RAM (1280x the RAM of an Arduino Due)
 - Key peripherals (USB, SPI, I²C, Flexcom) support DMA
- I/O:
 - USB 2.0 High-Speed port on USB Micro B connector (Port A, 480 Mbps, host or device)
 - USB 2.0 High-Speed port on a pin-header connection (Port B, 480 Mbps, host only)
 - USB 2.0 Full-Speed debug console port on USB Micro B connector (12 Mbps)
 - Micro SD Card slot (50 MHz DDR) supports booting from removable storage, making it impossible to brick the device
 - Native SPI, TWI, CAN, and I²SC ports
 - 4 FLEXCOMs on I/O pins – flexible serial controller peripherals that can be SPI, USART, or TWI

Rozloženie



[Odkazy](#)

[Projekt na CrowdSupply](#)