

→ PRODUCT INFO

Arduino YÚN

Code: A000008

Arduino YÚN is the first member of a new groundbreaking line of wifi products combining the power Linux with ease of use of Arduino. The first Arduino YÚN is the combination of a classic Arduino Leonardo (based on the Atmega32U4 processor) with a Wifi system-on-a-chip running Linino (a MIPS GNU/Linux based on OpenWRT). We embedded the Linux machine directly on the PCB of the Arduino Leonardo and we connected the two so that from Arduino it's very easy to run commands on the Linux side and use it as an Ethernet and Wifi interface. [Datasheet](#)



Technical Specifications

AVR Arduino microcontroller

Microcontroller	ATmega32u4
Operating Voltage	5V
Input Voltage	5V
Digital I/O Pins	20
PWM Channels	7
Analog Input Channels	12
DC Current per I/O Pin	40 mA
DC Current for 3.3V Pin	50 mA
Flash Memory	32 KB (of which 4 KB used by bootloader)
SRAM	2.5 KB
EEPROM	1 KB
Clock Speed	16 MHz

Linux microprocessor

Processor	Atheros AR9331
Architecture	MIPS @400MHz
Operating Voltage	3.3V
Ethernet	IEEE 802.3 10/100Mbit/s
WiFi	IEEE 802.11b/g/n
USB Type-A	2.0 Host/Device
Card Reader	Micro-SD only
RAM	64 MB DDR2
Flash Memory	32 MB
PoE compatible 802.3af card	

support



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