



## Interfaces

Serial	1xUART, 1xSPI, 1xTWI
USB	2.0 host/device/HID (Native)
Wi-Fi	802.11 b/g/n 2.4GHz
Ethernet	802.3 10/100 Mbit/s
Card reader	uSD

## General

Input Voltage	5V (USB, ext. or optional PoE)
Power Consumption	250mA
PCB size	53mm x 68.5mm
Weight	34g

## Microcontroller

Microcontroller	ATmega32u4
Architecture	Microchip AVR 8-bit
Operating Voltage	5V
Flash Memory	32kB (4kB used by bootloader)
SRAM	2.5kB
Clock Speed	16MHz
EEPROM	1kB
I/O Total	20
Digital (max)	20
PWM (max)	7
Analog (max)	12 (10-bit resolution)
DC Current per I/O pins	40mA (I/O pins) 50mA (3.3V pin)

## Microprocessor

Processor	Atheros AR9331
Architecture	MIPS
Operating Voltage	3.3V
Flash Memory	16MB
RAM	64MB DDR2
Clock Speed	400MHz