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## The Hardware Specifications

### Model 2100

- CPU: Atheros AR531X\_COBRA - MIPS 4KEc V6.4 - 183.50 mhz
- RAM: Hynix hy57v281620etp-h - 16 MB
- Flash: ST(84) H - 25P64V6P - MYS 636 - 8 MB
- Ethernet: (1x) Altima AC101 (10/100 Mbit/s) [Auto-MDI(X)]
- Wireless: IEEE 802.11b / 802.11g (up to 54 Mbps)
- Antenna Connector: RP-SMA Connector (Reverse SMA)
- Antenna Omni-Directional detachable antenna (2dBi)
- Dimensions: 93.5 mm x 25.5 mm x 70 mm (excluding antenna)
- Powersupply Input: 100-240V ~ 50-60 Hz 0.3A. Output: 5V DC, 2.0A Output
- Power Consumption: 4 Watt
- Reset Switch

### Model 2200

- CPU: Same as 2100.
- RAM: Same as 2100.
- Flash: Same as 2100.
- Ethernet: Same as 2100?
- Wireless: Same as 2100.
- Antenna Connector: same as 2100.
- Antenna: Same as 2100.
- Dimensions: Same as 2100.
- Powersupply: 7.5v, 1A Output
- Redesigned PCB, possibly cooler?
- No extra pad for a second antenna. Possible internal PCB antenna?
- Serial port on JP1. Pin closest to Ethernet jack is GND, RX, TX, Power. (I may have RX and TX swapped [Daemondust 19:19, 26 Apr 2007 \(CEST\)](#))

(see <http://zone-sys.net/fon2200/>)

## Model 2100

### Environment Requirement

LaFonera complies with the following standards:

- Temperature: IEC\* 68-2-14

0 to 40 degrees C (Standard Operating)

0 to 70 degree C (Non-operation)

- Humidity: 5% to 95% (Non-condensing)
- Vibration: IEC 68-2-36, IEC 68-2-6
- Shock: IEC 68-2-29
- Drop: IEC 68-2-32

This device is actually made by Accton [Accton Home Page](#) as shown doing a search on Fonera's FCC-ID in the FCC database.

A look at the various test reports and external photos shows that this device is provided also under the Trade(Model) Names

- \* ACCTON MR3201A
- \* FON FON2100A,B,C and F
- \* Edge-Core WA3101
- \* Philips SNR6500
- \* SMC WEBT-G
- \* Siemens Gigaset Wlan repeater 108

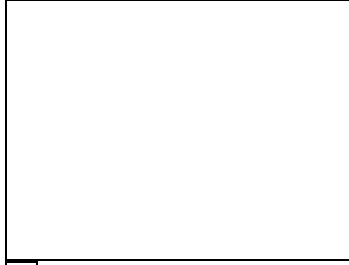
Copies of the mentioned FCC-documents may also be found at <http://mobileaccess.de/fonera/>

\*IEC (International Electrotechnical Commission)

## LaFonera+



LaFonera+ case.



LaFonera+ PCB top.



LaFonera+ PCB bottom.

The latest alliteration of the LaFonera has 2 Ethernet ports, new web interface, and seems to be locked down harder than ever.

- CPU: Unknown, probably same as 2100.
- RAM: 16MB
- Flash: 8MB
- Ethernet: 2 Ethernet ports, one LAN, one WAN.
- Wireless: Unknown, probably same as 2100.
- Antenna Connector: RP-SMA Connector (Reverse SMA)
- Antenna: Omni-Directional detachable antenna (1.5dBi)
- Dimensions: 93.5 mm x 25.5 mm x 110 mm (excluding antenna)
- Powersupply: Unknown
- Redesigned PCB
- PCB has layout and room for? (Probably an USB port)
- Serial port on JP1.

1 = GND

2 = Tx

3 = Rx

4 = Vcc

Pin furthest from Ethernet jack is 1.

Serial port is no use according to[1].

- Appears to be a JTAG header below JP1

## References

- <http://wiki.dd-wrt.com/wiki.openwrt.org/OpenWrtDocs/Hardware/Fon/Fonera> Fonera OpenWRT Hardware Docs
- <http://zone-sys.net/fon2/> Model 2200 pictures

## LaFonera\_Info\_Hardware-Specifications

- French article on the LaFonera+ with internal photos and booting serial port output (english machine translation)