

MaxR-7200

680 MHz Platform, 2 MiniPCI Slots,
Gigabit Ethernet & PoE

Powered by OpenWRT

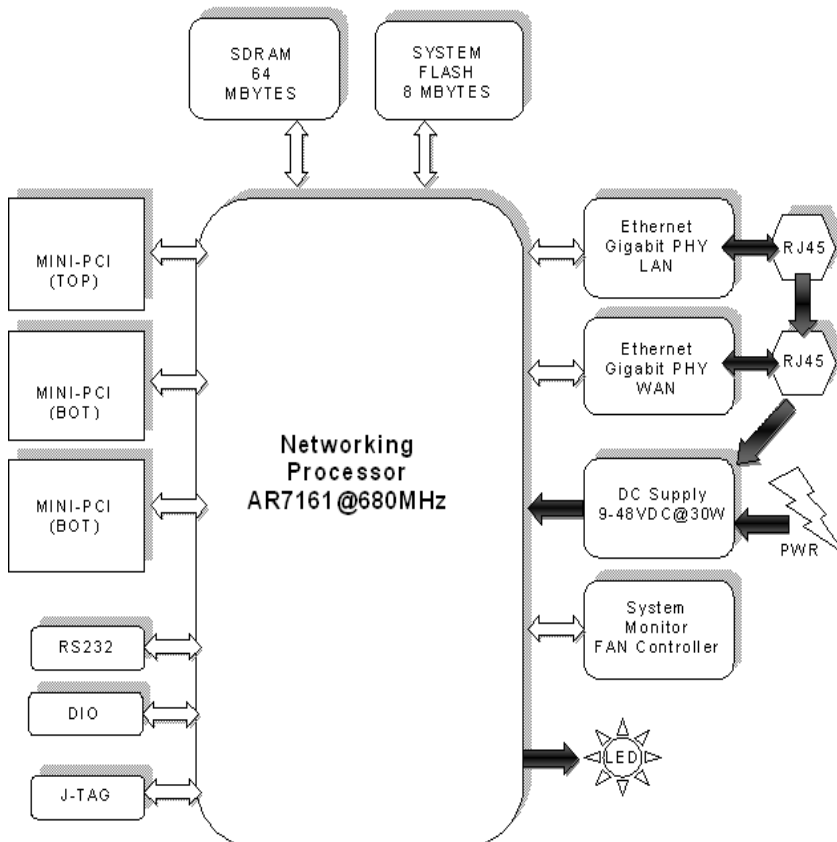
MaxR-7200 is a Single board Network Platform designed to be a Router/Access Point/CPE solution. This platform supports OpenWRT, provides a reduced development cycle. It has a powerful 32-bit MIPS 24K processor with clock speed of 680 MHz, 2 Mini-PCI slots and Gigabit Switch.



Product Highlights:

- Atheros, AR7100 Product Family, AR7161 Wireless LAN Processor
- 680 MHz Processing Speed
- 32-bit MIPS 24K Processor Core
- Two Type-III Mini-PCI Slots
- Atheros AR8316, Five Port Gigabit Ethernet Switch (4 LAN + 1 WAN)
- 8 MB SPI flash
- 64 MB SDRAM Memory
- 2 x USB 2.0 Host
- High Speed UART and GPIOs
- Rich Media and Peripheral Interfaces (serial, I²S)
- JTAG
- Front panel LED
- Reset Switch
- Active PoE
- DC Power Jack
- Ultra low power and energy profile
- Extreme Temperature support
- RoHS Compliant

Functional Diagram



Technical Specifications

System Information	
Radio Chip	Atheros AR7161 680MHz Networking Processor
Memory	64MB (32 x 2) DDR SDRAM
Flash	8MB SPI Flash
Mini-PCI Slot	Two Type-III Mini-PCI Slot
Gigabit Switch	Atheros AR8316 Gigabit Switch
Ethernet	WAN 1 x Gigabit Base Ethernet Port (with Auto MDI/ MDIX) LAN 4 x Gigabit Base Ethernet Port (with Auto MDI/ MDIX)
PoE (Optional)	PoE with 802.3AT/802.3af (Input Voltage Range: 48V DC/ AC) WAN Port PoE Input Only
USB	USB2.0 x 2
LED Pin Header	Yes
Push Button Reset/ WPS	Yes
Watch Dog Timer	Yes
GPIO/DIO (RS232/ I2C/ PCM)	14 Pins Header
JTAG Debug Interface	14 Pins Header
DC Jack Input	Range 12V/ 18V 3A DC Voltage
Power Consumption	30W Max
RoHS Compliance	Yes
Humidity	5% to 98% non-condensing
Temperature Range	Operating Temperature: -40°C to +85°C Storage Temperature: -60°C to +150°C
Dimension (in mm)	120 x 185 (mm)
Weight	180g
Software Information	
Development Tools	OpenWRT