

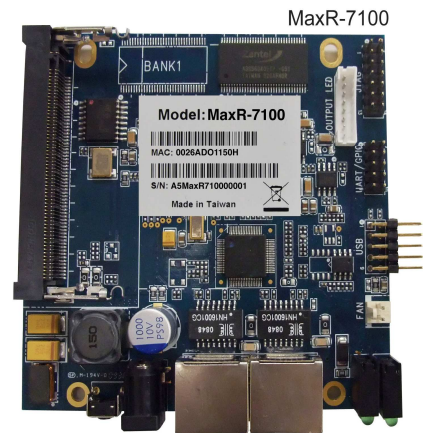
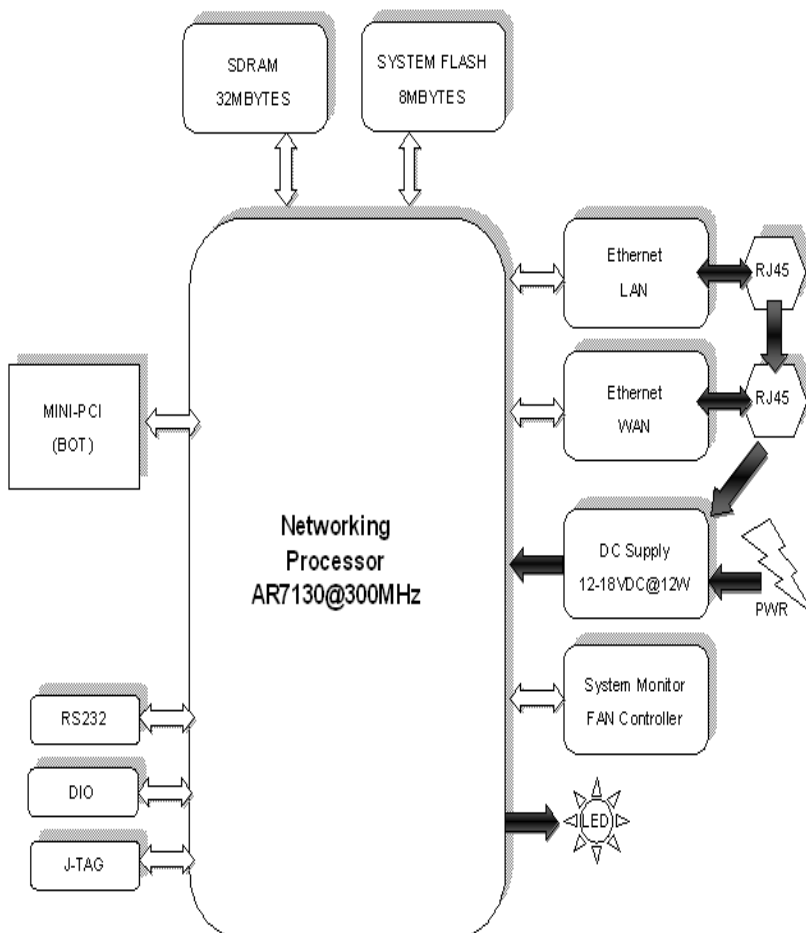
MaxR-7100

300 MHz Platform, Single MiniPCI Slot,
Fast Ethernet & PoE

Powered by OpenWRT

MaxR-7100 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 300 MHz, 1 Mini-PCI slot and Fast Ethernet Switch.

Functional Diagram



Product Highlights:

- Atheros, AR7100 Product Family, AR7130 Wireless LAN Processor
- 300 MHz Processing Speed
- 32-bit MIPS 24K Processor Core
- One Type-III Mini-PCI Slot
- Atheros AR8216, Two Port Fast Ethernet Switch
- 8 MB SPI flash
- 32 MB SDRAM Memory
- High Speed USB Interface
- High Speed UART and GPIOs
- Rich Media and Peripheral Interfaces (serial, I²S)
- JTAG
- Front panel LED
- Reset Switch.
- Passive PoE
- DC Power Jack
- Ultra low power and energy profile
- Extreme Temperature support
- RoHS Compliant

Technical Specifications

System Information	
Radio Chip	Atheros AR7130 300MHz Networking Processor
Memory	32MB (32 x 1) DDR SDRAM
Flash	8MB SPI Flash
Mini-PCI Slot	One Type-III Mini-PCI Slot
Fast Ethernet Switch	Atheros AR8216 10/100 Switch
Ethernet	WAN 1 x 10 / 100 Base Ethernet Port (with Auto MDI/ MDIX) LAN 1 x 10 / 100 Base Ethernet Port (with Auto MDI/ MDIX)
PoE	Passive PoE (range : 12 - 18V DC) Input / Output WAN Port PoE Input LAN Port PoE Output
High speed USB Interface	10 Pins Header
LED Header	7 Pins Header
Push Button Reset/ WPS	Yes
Watch Dog Timer	Yes
GPIO/DIO (RS232/ I2C/ PCM)	12 Pins Header
JTAG Debug Interface	14 Pins Header
DC Jack Input	Range 12V/ 18V @ 2A DC Voltage
Power Consumption	15W 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)	91 x 91 (mm)
Weight	62g
Software Information	
Development Tools	OpenWRT