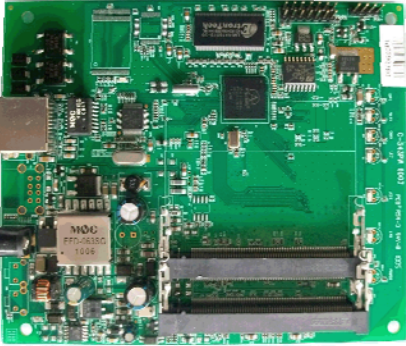


## Wireless Access Point

# WP543AHV Wireless Host Board

## Features

- Up to 680MHz Network Processor Speed
- Supports two miniPCI slots
- Supports up to 2 USB 2.0 port (Optional) <sup>①</sup>
- Supports all CompeX MiniPCI Card Radio Modules
- MiniPCI Slot supports 3.3V and 5V DC
- Integrated IEEE 802.3af Power-over-Ethernet extractor
- Supports CompeX, OpenWRT firmware
- Real-time power Performance monitor with DS2438 (Optional) <sup>①</sup>
- Generic board, suitable for OEM applications



## TECHNICAL SPECIFICATIONS

HARDWARE INFORMATION	
<b>Processor</b>	Atheros AR7161 ( 680 MHz) Network Processor
<b>General Usage</b>	CPE
<b>System Memory</b>	32MB or 64MB DDR SDRAM
<b>NOR Flash</b>	4MB ( up to 16MB )
<b>MiniPCI Slot</b>	2 miniPCI slots <sup>②</sup>
<b>Ethernet</b>	1 x 10/100 Base T Ethernet Port ( with Auto MDI / MDIX)
<b>Serial Port</b>	1 x 4 pin header(TTL)
<b>JTAG Debug Interface</b>	14 pin header
<b>USB Device Interface</b>	2 x USB 2.0 ports(Optional)
<b>Push Button Reset</b>	Yes
<b>Surge Arrestor</b>	Supported
<b>Watch Dog Timer</b>	Yes
<b>PoE</b>	Passive PoE(range 24V-48V DC),802.11af PoE(48V-56V)
<b>Power over Datalines</b>	Yes
<b>DC Jack Input</b>	Range 24V-48VDC <sup>③</sup>
<b>Power consumption ( Host board only)</b>	4W
<b>Certification</b>	FCC, CE
<b>ROHS Compliance</b>	Yes
<b>Humidity</b>	5% to 95% (non-condensing)
<b>Temperature Range</b>	Operating: -20°C to 70°C Storage: -40°C to 90°C
<b>Dimension ( in mm)</b>	129 x 109 x 18.5 (mm)
<b>Weight</b>	160g

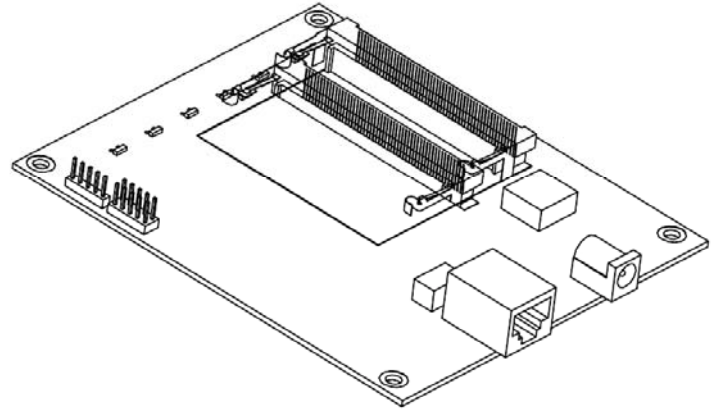
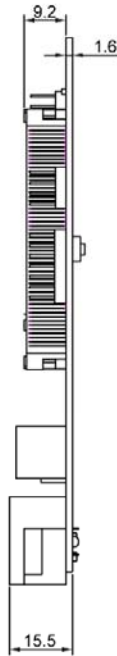
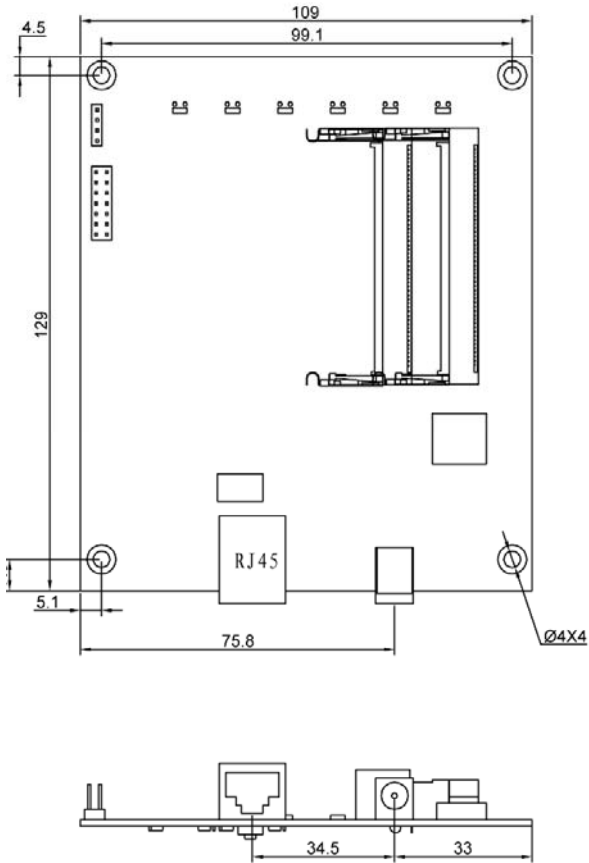
SOFTWARE INFORMATION	
<b>Firmware Support</b>	Compex , OpenWRT
<b>Development Kits</b>	JTAG Programmer <sup>④</sup> , Serial Converter <sup>⑤</sup> , POE injector + Power Supply

### Order Information

Mode Name	Version	Processor	NOR Flash	Memory	MiniPCI Socket Height
WP543AHV 6D03PC432-2S	Compex	Atheros AR7161	4MB	32MB	6.0mm&9.2mm
WP543AHV 6D03PO432-2S	OEM	Atheros AR7161	4MB	32MB	6.0mm&9.2mm

- ① Depends on Order Configuration
- ② When install radio card in both slots, only card up to 200mW can be installed
- ③ Power consumption 24W for max power capacity, 15W to host board and adapters
- ④ JTAG kit allowed to write your own developed loader and firmware directly to on board flash
- ⑤ Serial Converter available to change the TTL signals on board to RS232 signals for debugging

## DIMENSIONS DRAWING



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