



Wireless Host Board WP546HV

High-Performance, Open software, Wireless Platform

Features

- 680MHz Processing Speed
- 2 miniPCI slots
- 2 Gigabit Ethernet ports
- Supports all CompeX miniPCI radio modules
- MiniPCI Slot supports 3.3V and 5V DC
- Integrated IEEE 802.3af Power-over-Ethernet extractor
- Integrated with PoE cascade arrangement^①
- Supports CompeX, OpenWRT firmware
- Supports 2× USB 2.0 port (Optional)^②
- Real-time power performance monitor with DS2438 (Optional)^②
- Generic board, suitable for OEM applications

TECHNICAL SPECIFICATIONS

HARDWARE INFORMATION	
Processor	Atheros AR7161 (680 MHz) Network Processor
General Usage	CPE
System Memory	64MB DDR SDRAM (max 128MB optional)
NOR Flash	8MB (max 16MB optional)
MiniPCI Slot	2 miniPCI slots
Ethernet	2 x 10/100/1000 Base T Ethernet Port (with Auto MDI / MDIX)
Serial Port	1 x 4 pin header(TTL)
Reset	Push Button Reset
JTAG Debug Interface	14 pin header(Optional) ^②
USB Device Interface	2 x USB 2.0 ports (Optional) ^②
Push Button Reset	Yes
Beeper	x 1(optional) ^②
Surge Arrestor	Supported
Watch Dog Timer	Yes
PoE	Passive PoE(range 24V-48V DC) , 802.3af PoE(48V-56V)
PoE Injector Compatibility	IEEE 802.3af/at injectors(both end span and mid span) . Passive injectors(24V - 48V) (mid span) ^③
Power over Datalines	Yes
DC Jack Input	Range 24V-48V DC ^④
Power consumption	4W (host board only)
RoHS Compliance	Yes
Humidity	5% to 95% (non-condensing)
Temperature Range	Operating: -20°C to 70°C Storage: -40°C to 90°C
Dimension	129 mm x 109 mm x 18.5 mm (H x W x D)
Weight	160g

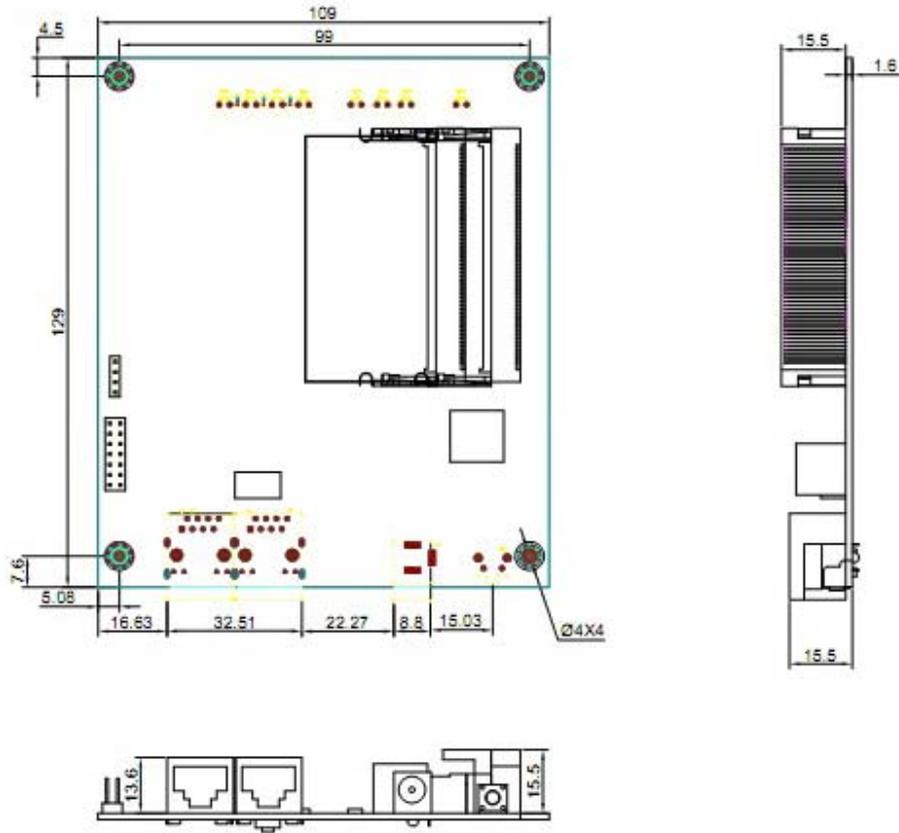
SOFTWARE INFORMATION	
Firmware Support	Compex , OpenWRT
Development Kits	JTAG Programmer ^⑤ , Serial Converter ^⑥ , POE injector + Power Supply

ORDER INFORMATION ^⑦

Mode Name	Version	Processor	NOR Flash	Memory	MiniPCI Socket Height
WP546HV 6B08PC864	Compex	Atheros AR7161	8MB	64MB	9.2mm&15.5mm
WP546HV 6B08PO864	OEM	Atheros AR7161	8MB	64MB	9.2mm&15.5mm
WP546HV 6B08PW864	Open-WRT	Atheros AR7161	8MB	64MB	9.2mm&15.5mm

- ① The input power can come from an Ethernet port and it is fed to the other Ethernet port so that it can in turn drive another Passive PoE device.
- ② Depends on Order Configuration
- ③ Our two Ethernet port are casading,and some LAN transformer have low impedance between the CT of pin1& pin2 and the CT of pin3 & pin6 be used in the routers and PCs.
If the adapter detects the low impedance,it will be into the short protection mode and shun down
- ④ Power consumption 24W for max power capacity, 15W to host board and adapters
- ⑤ JTAG kit allowed to write your own developed loader and firmware directly to on board flash
- ⑥ Serial Converter available to change the TTL signals on board to RS232 signals for debugging
- ⑦ Configurations are subject to change without notice.
Please contact Compex sales representatives for other available configurations

DIMENSIONS DRAWING



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