

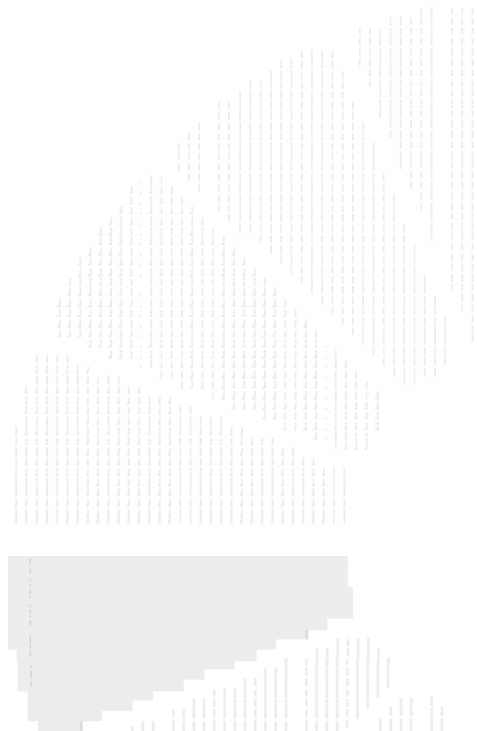
# Wireless Host Board

## YBT9344LV/HV

Embedded Wireless Platform

### Features

- Atheros 533MHz Networking Processor
- NOR Flash supported
- Two power solutions optional
- Support 1 PCIe slot
- All Compex WLE Series Radio Module supported
- One 2x2 2.4G on-board radio 23dBm(aggregate power)
- Integrated Power-over-Ethernet
- One miniPCIe slot to support 2nd radio
- Support 1 x USB 2.0 port<sup>①</sup> ( Optional)
- Support 2 x 10/100/1000Mbps Ethernet Port
- Choice of Compex firmware or OpenWRT SDK



## TECHNICAL SPECIFICATIONS

SYSTEM INFORMATION			
<b>Processor</b>		Atheros 9344(533MHz) Networking Processor	
<b>General Usage</b>		Base Station, CPE	
<b>System Memory</b>		128MB DDR2	
<b>NOR Flash</b>		8MB (max 16MB optional) <sup>①</sup>	
<b>PCIe Slot</b>		9.2mm height miniPCIe slot	
<b>Antenna Connector</b>		2 x U.FL	
<b>On-board Radio (Optional) <sup>①</sup></b>	<b>Tx</b>	Data Rate	2.4GHz(per chain)      5GHz(per chain)
		6M	15dBm      13dBm
		54M	10dBm      8dBm
		HT20M CS0	14dBm      13dBm
		HT20M CS7	10dBm      7dBm
		HT40M CS0	13dBm      12dBm
		HT40M CS7	10dBm      7dBm
	<b>Rx</b>	Data Rate	2.4GHz      5GHz
		6M	-90dBm      -90dBm
		54M	-75dBm      -74dBm
		HT20M CS0	-90dBm      -90dBm
		HT20M CS7	-72dBm      -71dBm
		HT40M CS0	-88dBm      -88dBm
		HT40M CS7	-70dBm      -70dBm
<b>Ethernet</b>		2 X 10/100/1000 Base TX 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>Push Button Reset</b>		Yes	
<b>USB Device Interface</b>		1 x USB 2.0 ports (Optional) <sup>①</sup>	
<b>Surge Arrestor</b>		Yes	
<b>Watch Dog Timer</b>		Yes	
<b>Optional Power Solutions <sup>②</sup></b>	<b>Low voltage</b>	DC Jack Input: 9-24V, Passive PoE: 12-24V	
	<b>High voltage</b>	DC Jack Input:24-48V, Passive PoE: 24-48V, IEEE 802.3af PoE	
<b>PoE Injector Compatibility</b>		IEEE 802.3af/at injectors(both end span and mid span). Passive injectors	
<b>Power consumption (Board only)</b>		3.5W	
<b>ROHS Compliance</b>		Yes	
<b>Humidity</b>		Operating: 5% to 95% (non-condensing) Storage: Max.90% (non-condensing)	
<b>Temperature Range</b>		Operating: -20°C to 70°C Storage: -40°C to 90°C	
<b>Dimension ( in mm)</b>		105 x 95 x 17 (mm)	

SOFTWARE INFORMATION	
<b>Firmware Support</b>	CompexWRT OpenWRT
<b>Development Kits</b>	JTAG Programmer <sup>③</sup> , Serial Converter <sup>④</sup> , POE injector + Power Supply

### Ordering Information <sup>⑤</sup>



- ▲ Depends on Order Configuration
- ⌚ It is alternative, depending on your requirement
- ▲ JTAG kit to write your own developed loader and firmware directly to flash memory
- ✱ Serial Converter available to change the TTL signals on board to RS232 signals for debugging
- ⑤ Configurations are subject to change without notice
- ⑤ Please contact Compex sales representatives for other available configurations

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