



Wireless Host Board WPE72

The Small Compact Embedded Platform with on-board Mini-PCIe Slot

Features

- Atheros MIPS 24K 400MHz Network Processor
- 1 Mini PCIe slot
- 2 Ethernet ports
- Supports all Compex Mini PCIe radio modules
- Supports Compex, OpenWRT firmware
- Integrated passive Power-over-Ethernet
- Integrated with PoE cascade arrangement^①
- Remote hardware reset (Optiona)^②

TECHNICAL SPECIFICATIONS

HARDWARE INFORMATION	
Processor	Atheros AR7240 (400 MHz) Network Processor
General Usage	CPE
System Memory	32MB (max 64MB optional) DDR SDRAM
NOR Flash	8MB (max 16MB optional)
PCIe Slot	1 x 9.2 mm Mini PCIe slot
Ethernet	2 X 10/100 Base-T Ethernet Port (with Auto MDI / MDIX)
Serial Port	1 x 4pin header(TTL)
JTAG Debug Interface	14pin header
Reset	Push Button Reset Remote hardware reset (Optional)
Watch Dog Timer	Yes
PoE	Passive PoE (range 9V-24V DC)
Beeper	x 1 (Optional)
DC Jack Input (optional)	Range 5V-24V DC
Power Consumption	3W (Host Board only)
RoHS Compliance	Yes
Humidity	Operating: 5% to 95% (non-condensing) Storage: Max.90% (non-condensing)
Temperature Range	Operating: -20°C to 70°C Storage: -40°C to 90°C
Dimensions	95 x 68 x 18 (mm)
Weight	100g

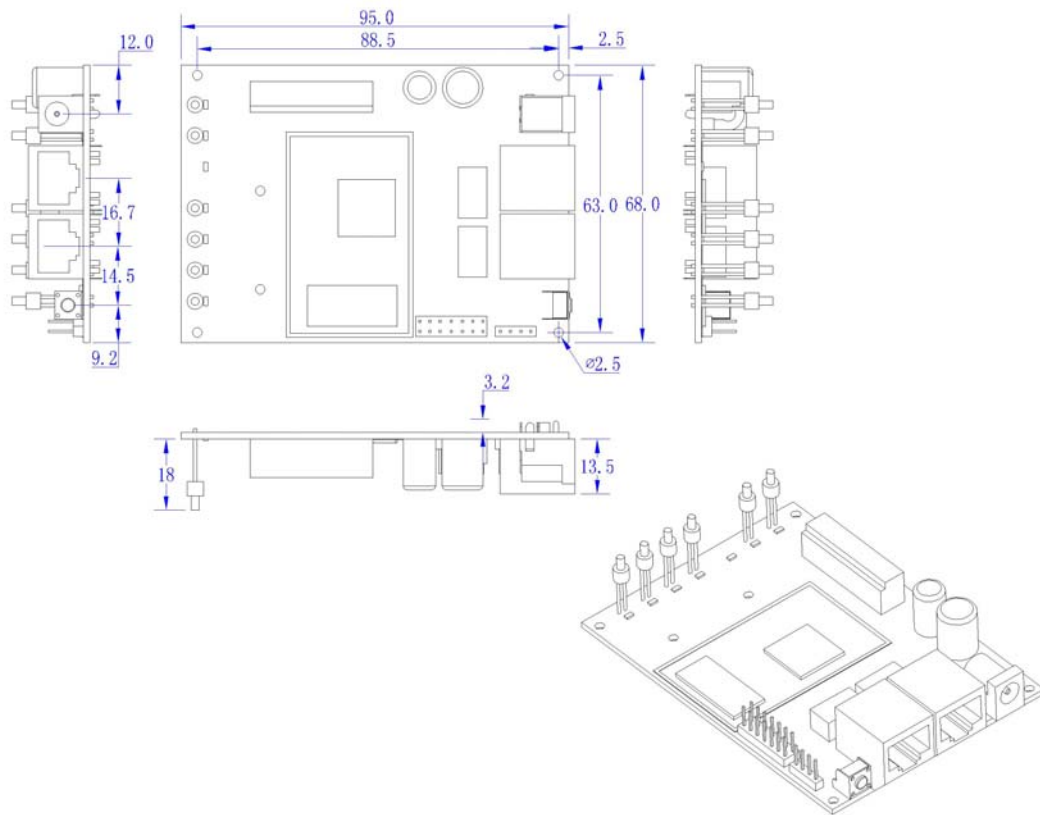
SOFTWARE INFORMATION	
Firmware Support	Compex , OpenWRT
Development Kits	JTAG Programmer ^③ , Serial Converter ^④ , POE Injector + Power Supply

Ordering Information ^⑤

Item Code	Version	Processor	NOR Flash	Memory	Socket Height
WPE72 7A02PC832	Compex	AR7240	8MB	32MB	9.2mm
WPE72 7A02PO832	OEM	AR7240	8MB	32MB	9.2mm
WPE72 7A02PW832	Open-WRT	AR7240	8MB	32MB	9.2mm

- 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 To be reset remotely from power supply location
- ③ JTAG kits allowed to write your own developed loader and firmware directly to on-board flash
- ④ Serial Converter available to change the TTL signals on board to RS232 signals for debugging
- ⑤ Configurations are subject to change without notice
Please contact Compex sales representatives for other available configurations

DIMENSIONS DRAWING



Compex Systems Pte Ltd

135 Joo Seng Road, PM Industrial Building #08-01,
Singapore 368363
Tel: (65) 6286 2086
Fax: (65) 6280-9947
Email: sales@compex.com.sg

Compex (Suzhou) Co Ltd

NO.12, ChuangTou Industrial Square,
LouFeng North, Suzhou Industrial Park,
Suzhou, Jiangsu Province, China 215122
Tel: (86)-512-62950050
Fax: (86)-512-62950026



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