



WP54

WIRELESS ACCESS POINTS
 COMPATIBLE WITH COMPEX FIRMWARE / OPEN-WRT

- **Infineon ADM5120 Processor operating at 175MHz**
- **Embedded with 16MB (Up to 128MB max.) SDRAM and 4MB Flash**
- **1 X Type III Mini PCI Slot**
- **Integrated IEEE 802.3af Standard Compatible Power-over-Ethernet (PoE) Compatible with CompeX PoE Plus**

TECHNICAL SPECIFICATIONS*

GENERAL INFORMATION

PROCESSOR	Infineon ADM5120 Processor operating at 175MHz
MEMORY	16MB SDRAM (Up to 128MB max.)
FLASH	4MB FLASH
PHYSICAL PORTS	1 x Type III Mini-PCI Slot 2 x 10/100 Base-TX Ethernet Ports (with Auto MDI/MDIX)
DEBUG INTERFACE	Serial / JTAG Optional JTAG Programmer** available Optional Serial Converter*** available
OPERATING TEMPERATURE	-20°C to 70°C
OTHER FEATURES	User LED and Push-button Reset Voltage Sensor/Temperature Sensor (Optional) Surge Arrestor (Optional)
DIMENSIONS	128mm X 109.22mm X 1.6mm

INFORMATION ON POWER SUPPLY

POWER-OVER-ETHERNET	IEEE 802.3af Standard PoE Compatible CompeX PoE Plus Compatible (15V to 48V)
DC POWER SUPPLY	12VDC to 48VDC
TYPICAL OPERATING POWER	5 W (Without MiniPCI) 7.5 W (With CompeX WLM54G MiniPCI)

* Specifications are subjected to change without notice
 ** JTAG Programmer available to reprogram the flash in case of loader corruption.
 *** Serial Converter available to change the TTL signals on board to RS232 signals for debugging.

- ◆ **Access Point PCBA Board with 1 X miniPCI slot**
- ◆ **Infineon ADM5120 CPU with 175MHz Processor**
- ◆ **15V – 48V Integrated Power-over-Ethernet**
- ◆ **12V – 48V DC Supply**
- ◆ **Surge Arrestor (Optional)**
- ◆ **Voltage Sensor/ Temperature Sensor (Optional)**



OpenWRT is an Open-Source Linux distribution. Instead of trying to cram every possible feature into one firmware, OpenWRT provides only a minimal firmware with support for add-on packages. For users this means the ability to custom tune features, removing unwanted packages to make room for other packages and for developers this means being able to focus on packages without having to test and release an entire firmware.

OpenWRT on WP54 is already debugged, which means the user can focus more on installing packages and customize features on WP54. OpenWRT on WP54 can also support Atheros-based miniPCI (AR2413/AR2414/AR5413/AR5414) as Open-Source Madwifi drivers have been integrated.

Source Codes (2.4 Kernel) –
http://compex.com.sg/home/OEM/Open_wrt.htm

Source Codes (2.6 Kernel) (Still Under Development)
<https://dev.openwrt.org/wiki/adm5120-2.6>

Ordering Options - Standard Configurations***

ORDER CODE	CONTENTS
P-C5 OEMWP546E	<ul style="list-style-type: none">• WP54 6E Bare-board (Pre-Loaded with Compex Firmware)
WP54AG 6E DEV KIT	<ul style="list-style-type: none">• WP54 6E Bareboard (Pre-loaded with Compex Firmware)• Wireless AG mini-PCI (Compex WLM54AG)• PoE+ Injector (Compex PoE+1A4815)• JTAG Programmer (Cable from PC to JTAG Programmer included)• Serial Converter (Cable from PC to Serial Converter included)• 24V DC Power Supply

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