

## WPEA-111N/W WiFi Module OEM General User and Installation Guide

### I. OEM Usage Instructions

#### Installation

The WPEA-111N/W is a Half Mini PCI-E module contains Atheros AR9280 and SiGe SE2593 as its front end module. The area around WPEA-111N/W should be free of any components that may be in contact to the module unintentionally.

#### Operating Conditions

- ⌚ Operating temperature 0° - 60°C
- ⌚ Storage temperature -20° - 70°C
- ⌚ Input: 3.3VDC 0.67A
- ⌚ Dimensions: 26.65 mm x 29.85 mm x 3.3 mm
- ⌚ Weight: <= 9g.

#### RF Exposure Warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device's external antenna must be installed in accordance with provided instructions and it must be operated with a minimum of 20 cm spacing between antennas and all persons' bodies (excluding extremities of hands, wrists and feet) during wireless mode of operation. Further, this transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

### II. Notice of FCC Regulatory Compliance

This module has been tested and found to comply with the FCC Part15 Rules. These limits are designed to provide reasonable protection against harmful interference in approved installations. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Modifications or changes to this equipment not expressly approved by Amp'ed RF Technology Inc. may void the user's authority to operate this equipment.

### III. Modular Approval

FCC ID: TVE-0600101

In accordance with FCC Part 15, the WPEA-111N/W is listed above as a Limited Modular Transmitter device. In support of the Modular Transmitter Approval, the followings are stated:

1. The module does have buffered modulation / data inputs.
2. The module does regulate its own power supply
3. The module does have a permanently attached antenna.
4. The module can be tested as a stand-alone device.
5. The module is labeled with the proper FCC ID, and labeling instructions are provided to OEM end users for external product labels.
6. The module does have instruction for proper use.
7. The module does meet the FCC RF regulations.
8. The module does have its own RF shielding.

### III. FCC Label instructions

The outside of final products that contain a WPEA-111N/W device must display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: TVE-0600101" or "Contains FCC ID: TVE-0600101". Any similar wording that expresses the same meaning may be used.

The label for the WPEA-111N/W module is listed below:

<p><b>Model: WPEA-111N/W</b> FCC ID: TVE-0600101 Fortinet, Inc. IC: 7280B-0600101</p> <p>Input: DC 3.3V 0.67A</p> <p><small>This device complies with part 15 of the FCC Rules Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</small></p>
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