



**USA - Headquarters**  
242 Old New Brunswick Rd, Suite 145  
Piscataway, NJ 08854  
Phone: +1 888 346 6853

**USA - Support**  
630 West 9560 South, Suite A  
Sandy, UT 84070  
Phone: +1 801 282 1387

## Wireless LAN (WiFi) Declaration

This declaration addresses the following Opengear products and models:

**Product:** IM7200 Infrastructure Manager  
**Models:** IM7208, IM7216, IM7232, IM7248,  
(DAC, SAC, and DDC power variants; 24U and 24E port variants; Lx and LMx cellular variants)

The Opengear products and models listed above use the SparkLAN WPEA-121N WiFi PCI express card which uses the Atheros AR9382 chipset. This module is embedded inside the product and is not user replaceable.

The SparkLAN WPEA-121N WiFi module has the following specifications:

<b>Operating Frequency:</b>	802.11b/g/n ISM Band: 2.412 ~ 2.4835 GHz 802.11a ISM Band: 5.15 ~ 5.85 GHz  <b>For Egypt, the operating frequency is limited to the following frequencies:</b> 802.11b/g/n ISM Band: 2.412 ~ 2.4835 GHz 802.11a ISM Band: 5.15 ~ 5.35 GHz
<b>Modulation:</b>	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11a/g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
<b>Output Power :</b>	802.11a: 12dBm ± 2dBm 802.11b: 17dBm ± 2dBm 802.11g: 16dBm ± 2dBm 802.11an (HT20): 12dBm ± 2dBm@MCS7 802.11an (HT40): 11dBm ± 2dBm@MCS7 * 802.11gn (HT20): 15dBm ± 2dBm@MCS7 802.11gn (HT40): 14dBm ± 2dBm@MCS7 *
<b>Receive Sensitivity:</b>	802.11a: ≤ -76dBm@54Mbps 802.11b: ≤ -85dBm@11Mbps 802.11g: ≤ -76dBm@54Mbps 802.11gn (HT20): ≤ -75dBm@MCS7 802.11gn (HT40): ≤ -72dBm@MCS7 802.11an (HT20): ≤ -74dBm@MCS7 802.11an (HT40): ≤ -71dBm@MCS7

\*Operating Mode not supported in Egypt

### Compliance with Country Specific Regulatory Requirements:

In order to comply with country specific/local regulatory requirements, the embedded SparkLAN WPEA-121N WiFi module can be programmed to restrict the operating Frequencies/Channels, Channel Bandwidth, and Output Power to comply with country specific regulations. The settings can be modified by an approved network administrator or qualified IT professional by selecting the proper country code/regulatory domain during installation. Access to the unit is password protected by the approved



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network administrator or qualified IT professional to maintain compliance with regulatory requirements and to ensure proper unit functionality.

**Technical Documentation:**

The technical documentation demonstrating compliance to this declaration is available for inspection through the contact below.

**Manufacturer's Contact:**

Paul Michalczuk (Hardware Engineering Compliance Manager)  
Ph. (801) 282-1387, Fax. (801) 282.8496

**Signature:**  \_\_\_\_\_  
Paul Michalczuk,  
Hardware Engineering Compliance Manager

**Date:** 30 October 2017