

1 Introduction

The I-210+ NIC is a FCC Part 15.247 compliant device that enables communication between Silver Spring Networks AMI network and the I-210+ family of meters. The NIC transmits in the 902 to 928 MHz, ISM band and transfers data from utility meter to Silver Spring Networks Relays and Gateways.



1.1 References

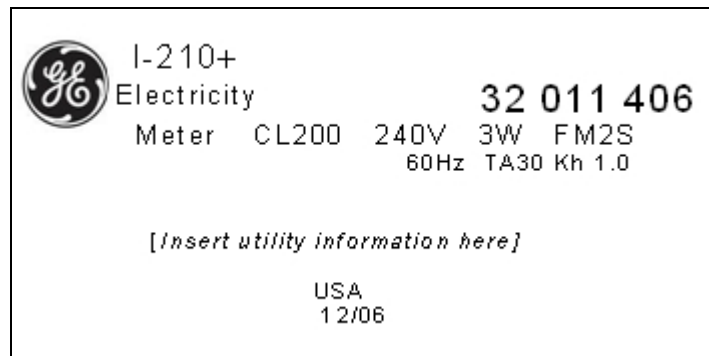
- Guidelines for use of a 64-bit Extended Unique Identifier (EUI-64), IEEE Publication.

2 Meter Labeling

2.1 Meter Nameplate

The meter nameplate shall not contain information pertaining to the Silver Spring Networks radio.

Figure 1 - Example of Meter Nameplate Label



2.2 Meter Auxiliary Label or NIC Address Label

For radio identification, the I-210+ meter shall have an auxiliary label containing the Silver Spring Networks NIC address presented in text (16 alphanumeric digits) and barcode formats.

- Bar Code Type = Code 3 of 9
- Bar Code Font Size = unknown
- Font Type = unknown
- Font Size = unknown
- Bar Code Label Dimensions = 1.50" x 0.25"
- Bar Code Material Type = Static Dissipative Polyimide

The following figure is an example of the NIC address label, which is consistent with FCC requirements set forth in section 4.1, and contain the Silver Spring Networks corporate name and NIC EUI-64 address.

Figure 2 - Example of NIC Address Label

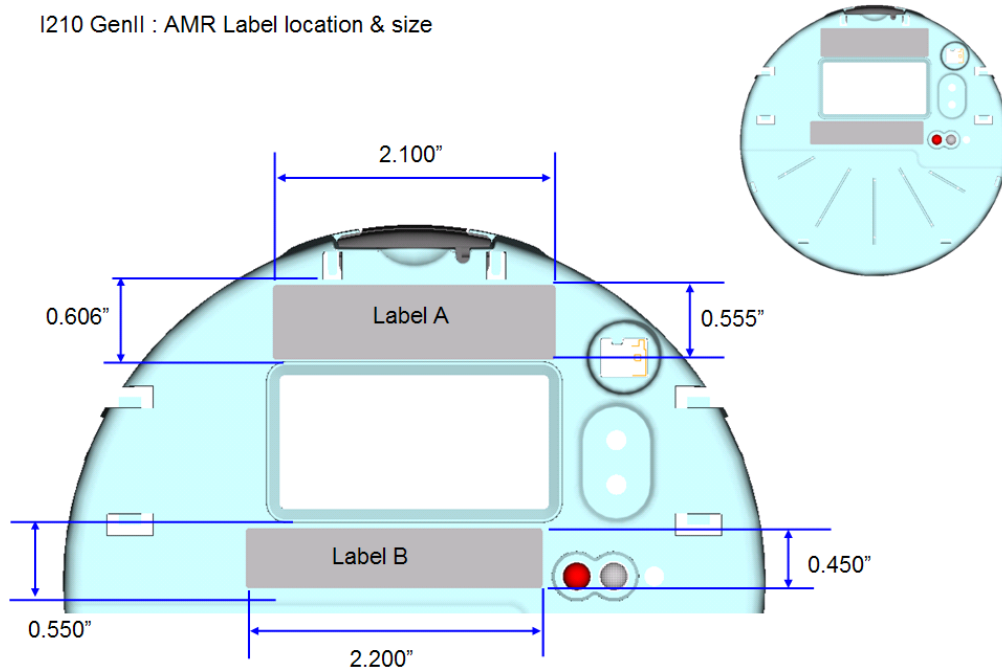


The NIC address label shall be placed on the meter nameplate in the location identified by "Label A" in the following figure.

NOTE: "Label B" location is not used.

Figure 3 - Nameplate NIC Address Locations

I210 GenII : AMR Label location & size



3 NIC Labeling

The SSN I-210+ NIC has two labels relevant to meter final assembly and RMA - the FCC & GE Part Number label and the SSN NIC Address label. Both labels are located on the top side of the NIC PCA. The barcode format is Code 3 of 9.

Figure 4 is an example of the FCC ID label that can be found in the location indicated in Figure 6. The size of the label is 1.5" x 1.0" inches. The barcode format is Code 3 of 9.

Figure 4 - FCC ID Label for NIC PCA

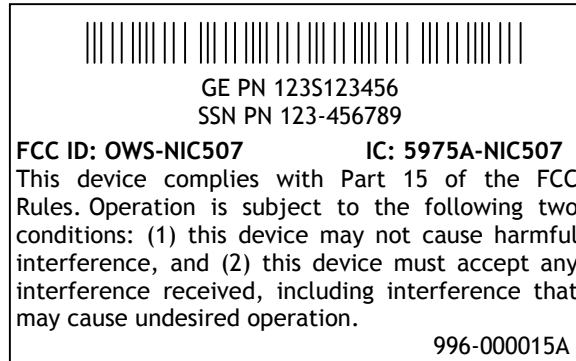
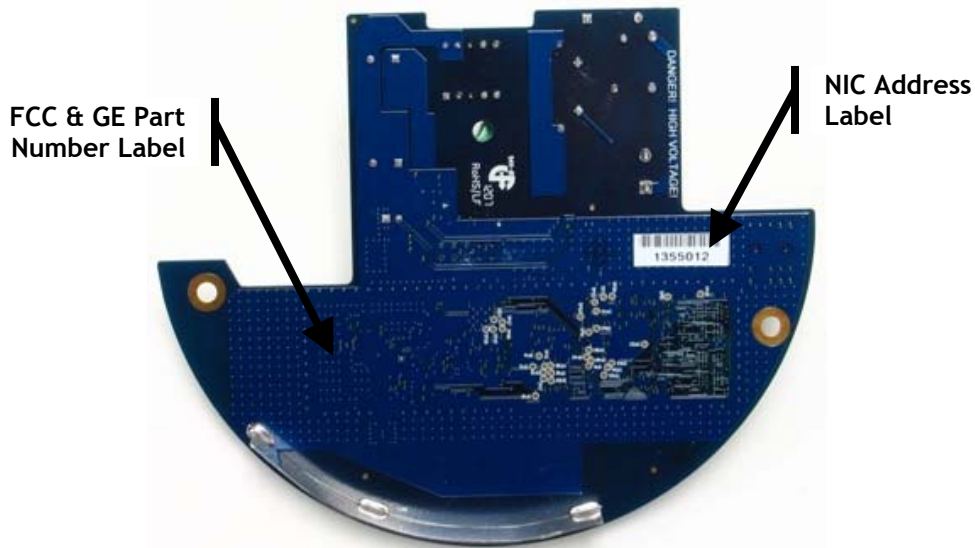


Figure 5 Figure 1 is an example of the NIC address label that can be found in the location indicated in Figure 6. The barcode format is Code 3 of 9.

Figure 5 - NIC Address Label for NIC PCA

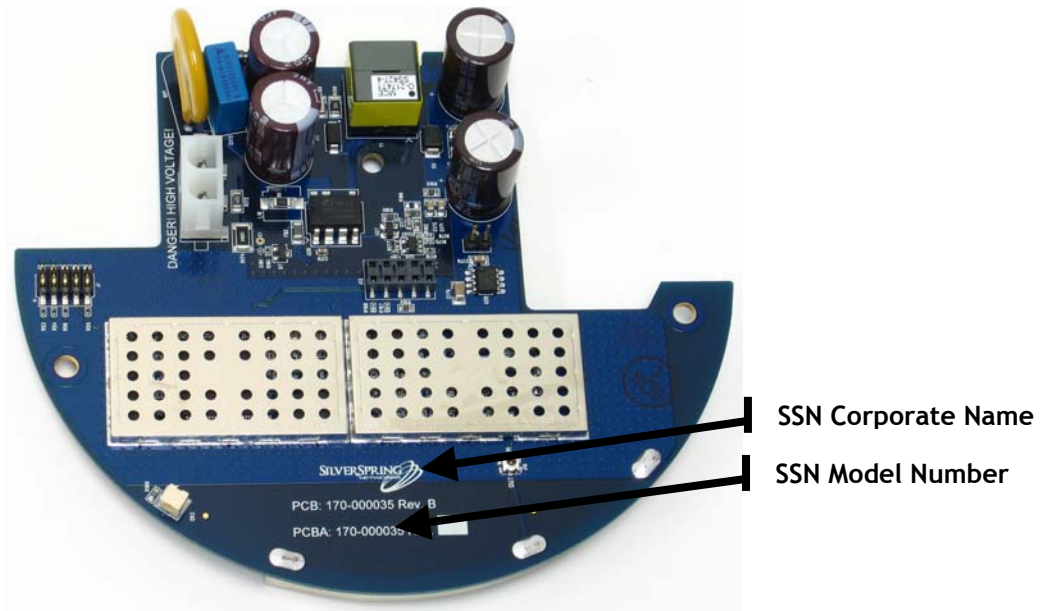


Figure 6 - Label Locations on Top Side of I-210+ NIC PCA



I-210+ NIC and Meter Labeling Product Requirements

Figure 7 - Bottom Side of I-210+ NIC PCA



4 FCC and Government Guidelines

Silver Spring Networks NIC
FCC ID: OWS-NIC507 IC: 5975A-NIC507

The I-210+ NIC is **REQUIRED** to be professionally installed by a properly trained technician. Improper installation could void the user's authority to operate the equipment.

The device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. The device may not cause harmful interference.
2. The device must accept any interference received, including interference that may cause undesired operation.

Figure 8 - Sample FCC ID Label for NIC PCA

