

Product Overview

The Jace2 wireless communication card and related WirelessStatNetwork driver file have been specifically designed to be used by the Niagara AX® powered JACE2 controllers. When utilized in conjunction with the VT7xxxXxxxxW series wireless thermostats it offers the integrator simple Niagara AX® to integrate using the familiar Workbench tool set.

The wireless thermostats are targeted to retrofit applications where the addition of communicating field bus wiring within the building space is prohibitive.

This document covers the mounting of the wireless communication card in a JACE2 series controller.



The following additional documentation is available on www.viconics.com

- Information on the Jace2 / VWG hardware installation is available in document LIT-VWG-40-INSTALL-Exx
- Integration information is available in document ITG-VWG-40-BAC-Exx
- Information on design consideration of wireless mesh networks and Jace2 VWG set-up / diagnostics is available in document LIT-VWG-40-SETUP-Exx

Included in this package you should find the following items:

- The card itself assembled with a mounting metal bracket
- A local antenna

The following tools and supplies may be required for installation:

- #2 phillips screwdriver: used to install the card

Disclaimers

NO WARRANTY. Viconics, Inc. (herein after referred to as “Viconics”) makes no warranty as to the accuracy of or use of this technical documentation. Any use of the technical documentation or the information contained therein is solely at the risk of the user.

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Viconics shall not be liable for incidental or consequential damages resulting from the furnishing, performance, or use of this material.

Electronic controls are static sensitive devices. Discharge yourself properly before manipulation and installing the Viconics wireless gateway.

Viconics Inc. may not be held liable for continued reliable, or robust operation of any and all wireless based devices. Although Viconics has taken many precautions in assuring the robustness of the VT7000 series wireless thermostat product line and associated network access point. Please note; future application of additional wireless devices utilizing the same or similar channels and / or frequencies may degrade performance of overall system and / or reliability.

Non-approved modifications or changes made to the Wireless Communication Card VWG or wireless thermostats may void the FCC compliance of the VWG and wireless thermostats.

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 UNDESIRABLE OPERATION.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT

**Warning**

- Power to the JACE2 must be **OFF** when installing or removing the wireless communication card, or damage will occur! Also, you must be very careful to plug any option card into its connector properly (pins aligned).
- Only one card can be installed in a JACE2. Always use Com1 location for installation.

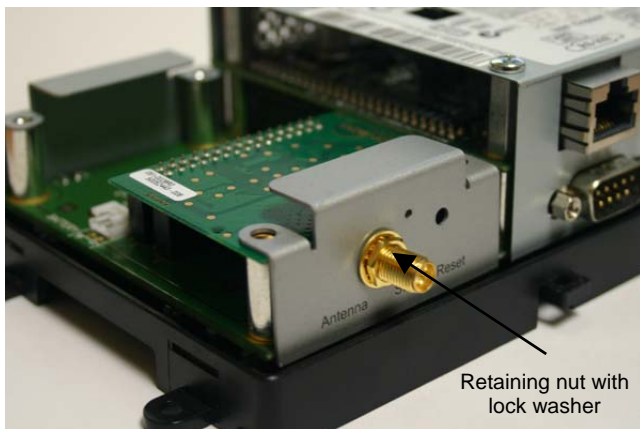
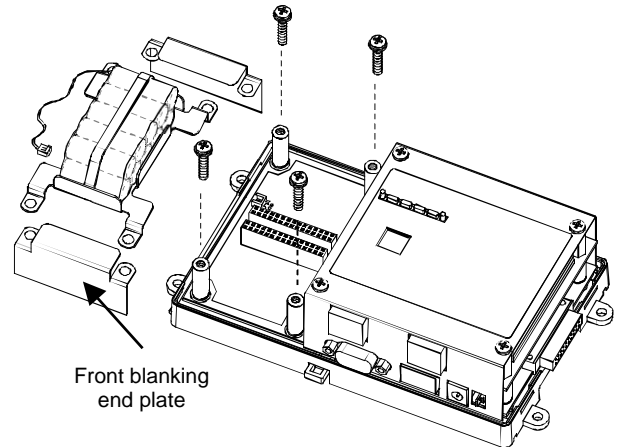
Procedure, mounting the wireless communication card on a JACE2.

1. Remove power from the JACE2—see the previous Warning.
2. Remove the JACE2 cover.

To do this, press in the four tabs on both ends of the unit, and lift the cover off.

Note, if other expansion accessory modules are plugged into the JACE2, you may need to slide them away from the unit to get to the cover tabs.

3. Remove the battery and bracket assembly by taking out the four screws holding it in place, setting the screws aside for later.
4. Unplug the battery from the connector on the JACE2.
5. Remove screws and battery assembly.
6. Remove the front blanking end plate for Com1 slot
7. Insert the wireless communication card assembly. Carefully insert the pins of the wireless communication card into the socket of Com1. The mounting holes on the option board should line up with the standoffs on the base board. If they do not, the connector is not properly aligned. Press until the option card is completely seated.



8. Plug the battery cable back into the battery connector on the JACE2
9. Set the battery and bracket assembly back over the option card slots, with the mounting holes aligned with the standoffs.
10. Re-fasten screws through battery bracket the four holding screws through. *DO NOT* over tighten.
11. Replace the JACE2 cover.
12. Screw in antenna

Physical Mounting of the JACE2 with Wireless Communication Card

Please refer to the Viconics Jace2 / VWG hardware installation. Document: LIT-VWG-40-INSTALL-Exx. This manual covers the physical installation of the Jace2 / Viconics Wireless Gateway.

The main topics are: Preparation, Precautions, Mounting, Wiring Details, Power Up and Initial Checkout

Also covered by this document are several appendixes, as follows: Status LEDs, Replacement and accessory, Certifications and Declaration of Conformity

Trademarks

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