

**Intel® Centrino® Advanced-N + WiMAX 6250**

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**PCI-e Half MiniCard (HMC) Handling Guidelines**

**Revision 2.0**  
**October 20, 2010**



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# 1 Overview

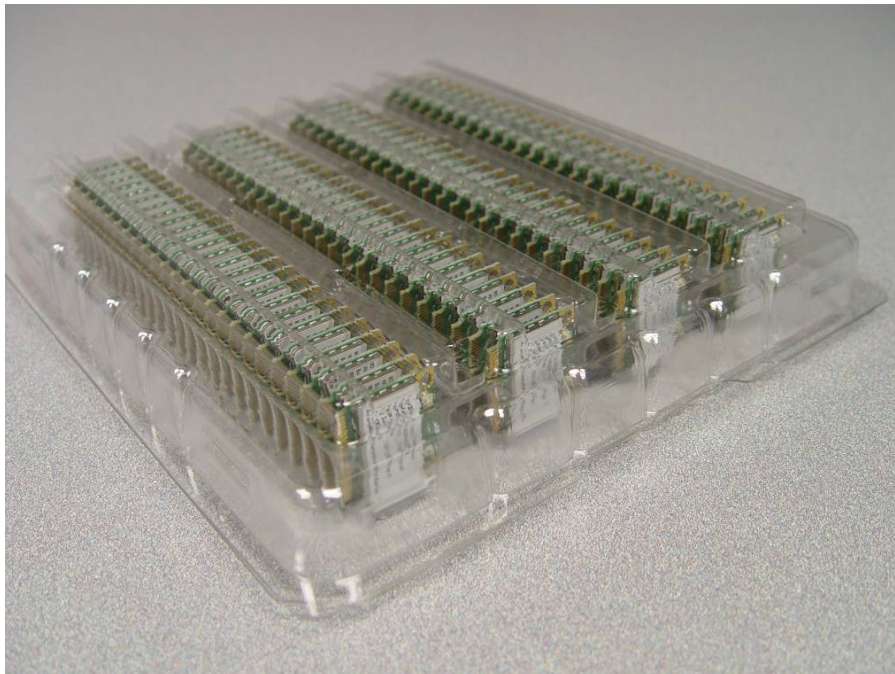
PCI-e Half Mini Card cards are 37% thinner than standard motherboards or PCI NIC cards. As a result, they are more susceptible to solder joint damage related to bow and flex forces applied to the assembly. Accordingly, these cards should be treated with additional care to avoid potential harm. The document provides appropriate Half Minimum guidelines for handling these cards. PCI-e Half MiniCard thickness is 1.0mm +/- 0.1mm

## 1.1 General Instructions

- Do not bend or flex the unit along any axis.
- Always apply force parallel to the PCB surface.
- If you need to apply force perpendicular to the PCB surface, make sure the PCB is fully supported underneath to prevent any bow or flex.

## 1.2 Package Clamshell Removal

- 100 pack clamshell to remain inside the corrugated box at all times. 100 pack clamshell can be removed from corrugated box only upon removal of boards from clamshell.



- Open the clamshell by holding one side of the clamshell & pulling back the corner edge (flap) of the clamshell.





## **1.5 Antenna Connector Insertion**

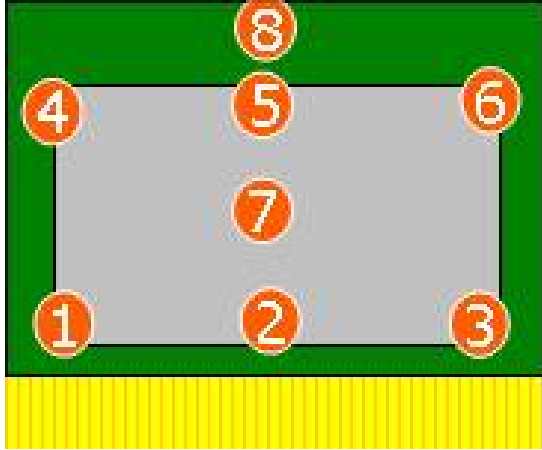
- Antenna connectors should be applied with care to avoid causing any bow or flex to the unit.
- Apply pressure only to the antenna connector.

*Note:* Recommendations for safe handling are set forth in Exhibit A to these guidelines.

## 2 Exhibit A: Intel® Centrino® Advanced-N + WiMAX 6250

### 2.1 PCI-e Half MiniCard Safe Handling Load Specifications

#### 2.1.1 Load Cases



Load Case	Maximum Safe Load N
1	100
2	65
3	100
4	100
5	100
6	100
7	100
8	100