

## UNO Product Thermal Design Declaration

Dear Valued Customers:

We hereby declare that the products described below are subject to necessary quality management measures. We assure you that all the functions are properly operational in normal working environments without any safety issues.

### Key Statements

UNO products are designed as ruggedized fanless thermal solutions. The heat dissipation is done through heat conduction through metal chassis. Therefore, it's normal that the metal chassis is at a high temperature to ensure good dissipation of internal heat to the external environment.

Fanless designs are widely adopted in the entire UNO series product line and are certified for design quality via reliability tests to ensure stable and reliable operation in low and high operating temperatures.

Advantech UNO products meet UL safety regulations (UL-61010 or UL-62368). Based on the statements from UL-62368, there is a high possibility that users will touch the metal chassis with their hands for I/O cable plug-in and other installations. The limitation is that for between 1 to 10 seconds, the temperature of the chassis may not exceed 70°C. All UNO products meet the regulations and have their safety certificates.

### Thermal Considerations

- If the external ambient temperature exceeds the operating temperature shown on the spec sheet, further thermal testing is required to ensure components do not exceed their maximum case temperature.
- All responsibility for determining the adequacy of any thermal or system design remains solely with the system integrator. Advantech makes no warranties or representations that merely following the instructions presented in this document will result in a system with adequate thermal performance.
- We still recommend customers shut down the system 30 minutes before touching the product.