

## High Quality Production System and Automated Inspection Equipment

In order to provide its clients with the highest production quality and most complete quality inspection, Sunon has invested a large amount of manpower and materials and introduced into its production facilities in Kunshan, China the most up-to-date software and hardware facilities for the design and construction of production assembly lines and automated inspection equipment that are far above the average level of the industry. For example, the thermal inspection system at SUNON can completely

simulate the thermal resistance in a system under preset pressures, as well as determine the thermal resistance at 6 sites simultaneously. The system can measure and simulate the preset pressure so accurately that product deformation due to excessive pressure can be avoided and our products are able to remain defect free. Furthermore, it is designed so that each of our products is assigned an independent barcode, which enables us to track the product and keep improving the quality of our after-sales service.



RLC Impedance Meter

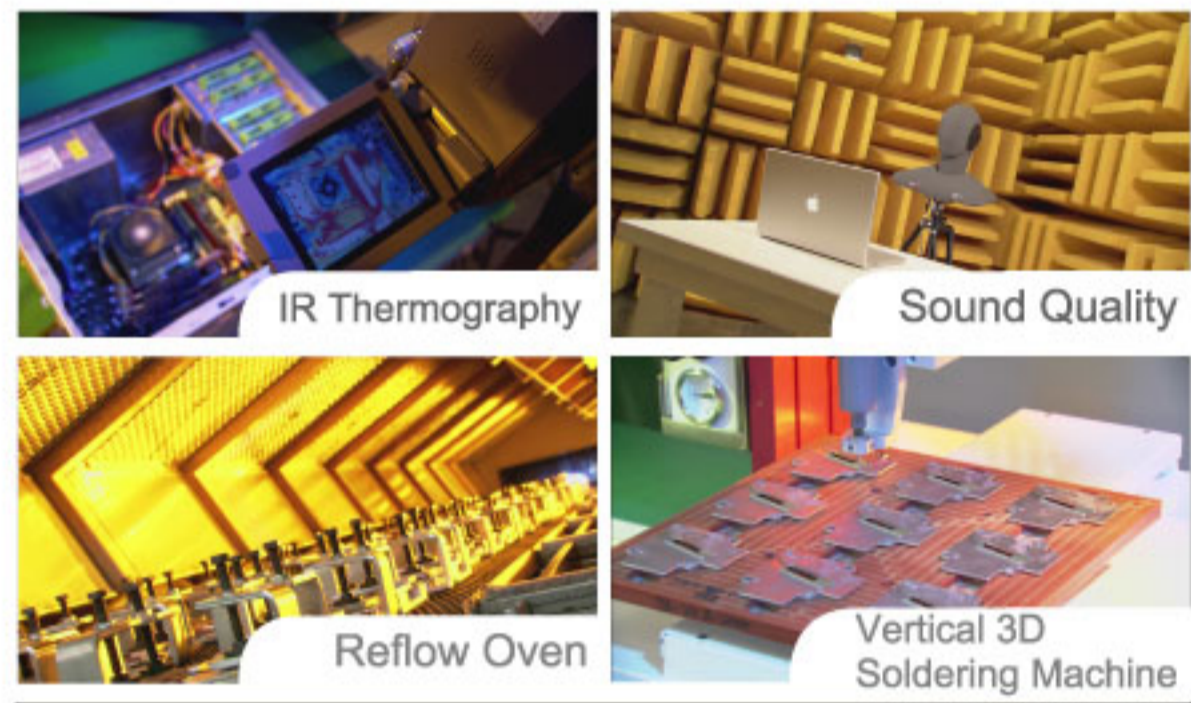
Module Testing Platform

Thermostatic and Humidistatic Chamber

IR Thermographer

Ventless Thermostatic chamber

Ventless Humidistatic Chamber



IR Thermography

Sound Quality

Reflow Oven

Vertical 3D Soldering Machine

型號:MS1452

1 準備終了	2 準備終了	3 準備終了
風扇溫度 59.5	風扇溫度 59.9	風扇溫度 59.1
T1溫度 55.0	T1溫度 55.6	T1溫度 56.2
T2溫度 52.8	T2溫度 52.7	T2溫度 51.0
T3溫度 -	T3溫度 -	T3溫度 -
風扇轉速 4000	風扇轉速 4001	風扇轉速 4219
風扇電流 218	風扇電流 224	風扇電流 222

4 準備終了	5 準備終了	6 準備終了
風扇溫度 29.7	風扇溫度 28.5	風扇溫度 28.0
T1溫度 59.8	T1溫度 61.8	T1溫度 57.8
T2溫度 52.2	T2溫度 54.8	T2溫度 52.9
T3溫度 -	T3溫度 -	T3溫度 -
風扇轉速 4000	風扇轉速 4100	風扇轉速 4504
風扇電流 216	風扇電流 220	風扇電流 220

Synchronous Thermal Resistance Inspection Data of 6 Sites

Production Line Thermal Resistance Inspection Finished Products



QC Inspection

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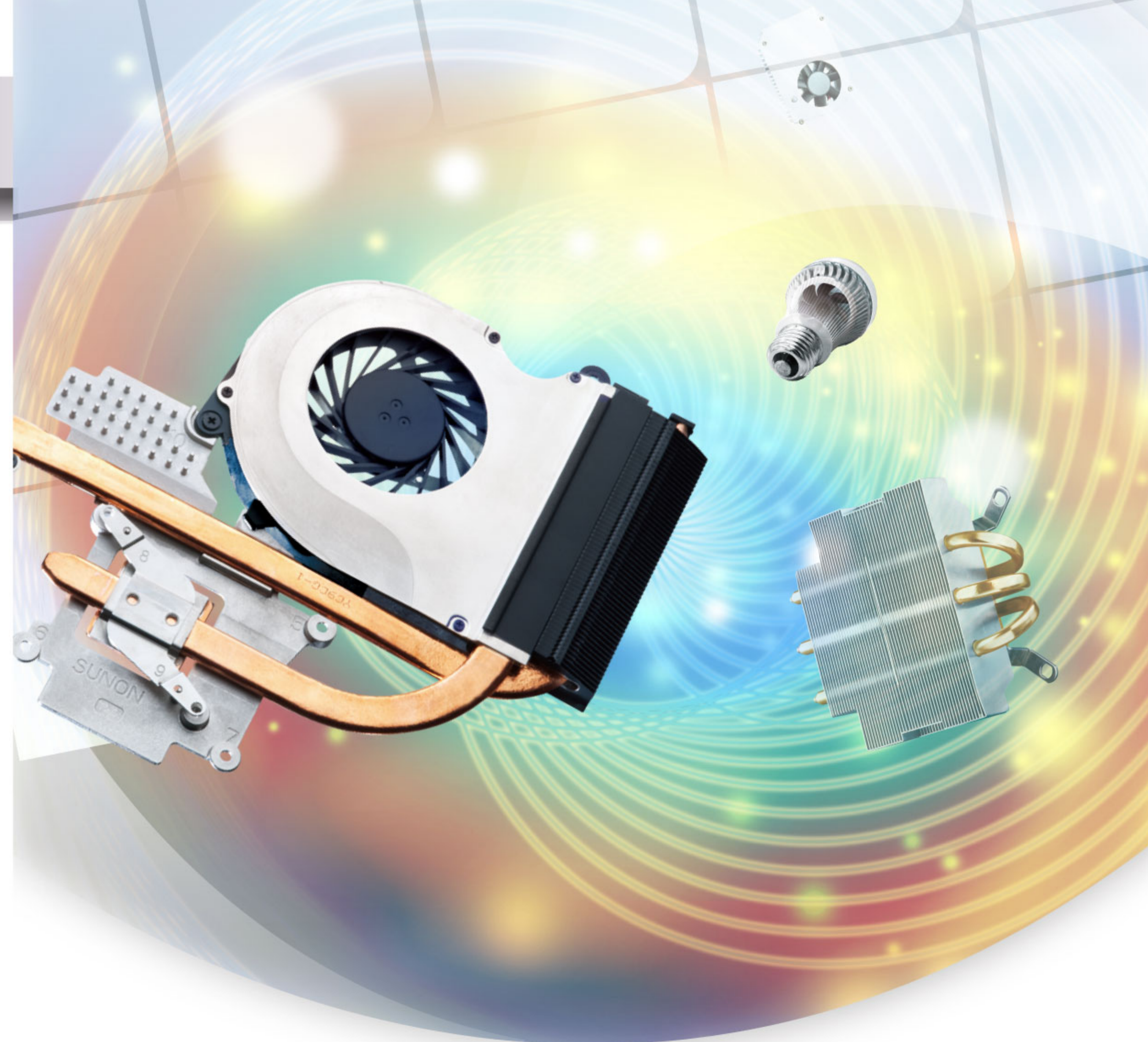
### Sunon Taipei Office(Taipei)

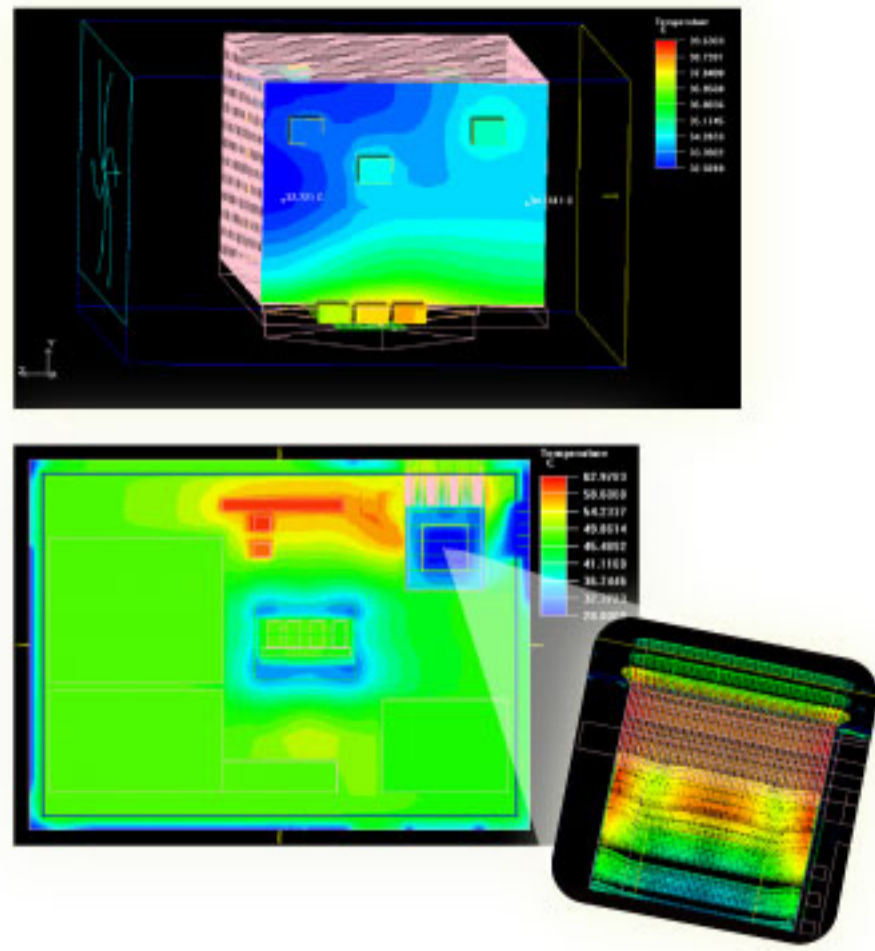
TEL: 02-27992383

# Thermal Module

NB Module | DT Module | LED Module

\*All products are RoHS compliant.



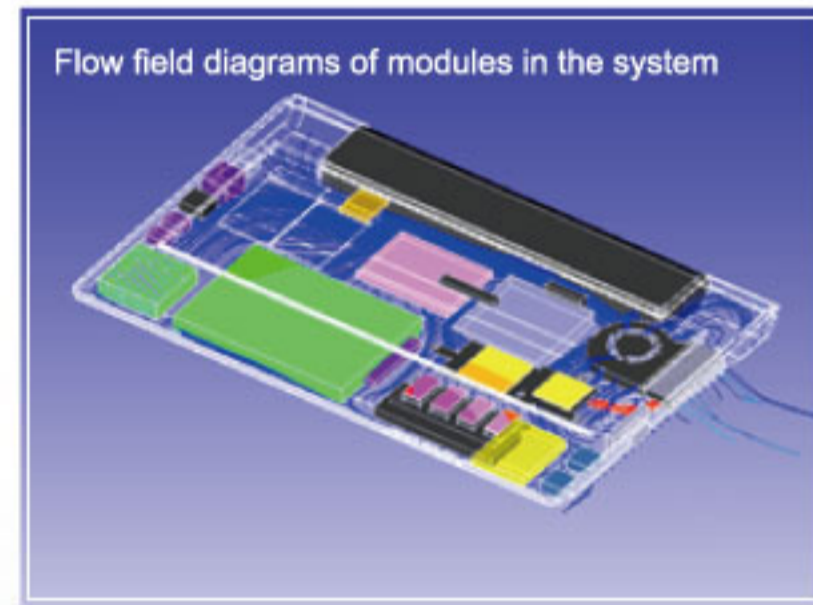
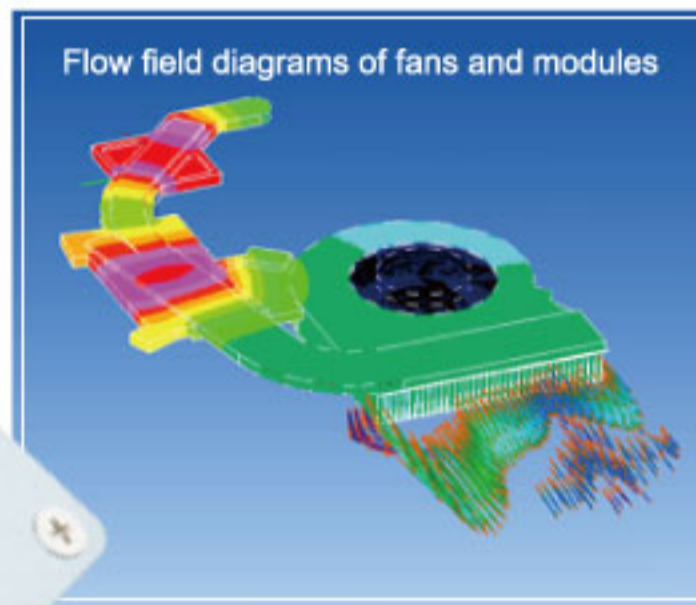


## Sunon The Best Professional Provider of Thermal Module Solutions

Since their introduction into notebook computers in 1997, thermal modules have become indispensable components of the personal computer. As IT electronics get lighter, thinner, shorter, and smaller, while their function and performance gets stronger, it is expected that more demand for thermal module applications will be generated in a broader scope, which include computer & IT, network communication equipment, industrial equipment, LED lighting, and consumer electronics. Sunon, the best professional provider of thermal module solutions in the world, has used its leading technology to develop a series of Thin-and-Light thermal modules which incorporate several innovative designs like the thinnest size (5.5mm), a low-power-consumption motor, a dust-proof and leak-proof magnetic levitation architecture, and a patented heat dissipating technology featuring multiple air-flow passages. At the same time, heat dissipating efficiency, silence, and other issues have also been considered, and high standard quality requirements have been followed in order to meet diverse and strict requirements of mainstream, thin-and-light, business, and ultra-portable computers.

### Our Peerless Leading Technology Enables Us to Meet Various Customized requirements

SUNON has established thermal module R & D teams in Taipei, Taiwan and Kunshan, China. With our more than 200 experienced engineers, we understand our clients' requirements on heat dissipation and are able to propose the most suitable module design for their products. Utilizing our flexible and leading design capability, we make use of various advanced CAD systems, precision temperature measurements, thermal analyses, and thermal design applications, and thereby have the ability to challenge various customized requirements of our clients.



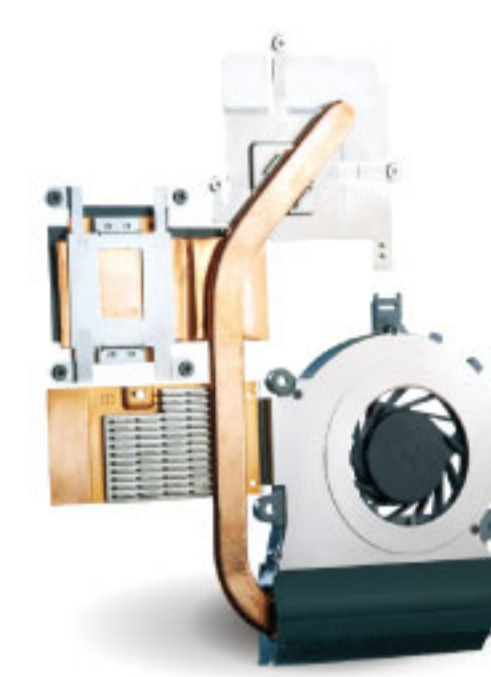
## 4 Sunon Total Thermal Solution

30 years of design and cooperation experience with major multinational corporations

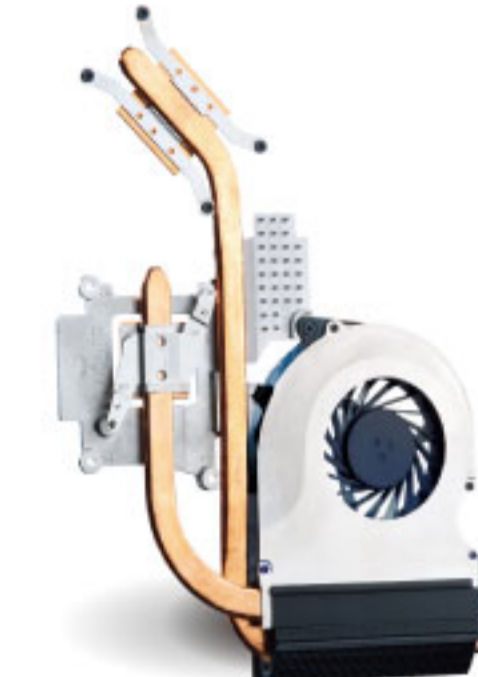
### 4 Key Advantages in Competition

- ✓ **High Quality**  
(High thermal efficiency and quiet heat dissipation)
- ✓ **Optimal Design**  
(Once-for-all design of fans and modules)
- ✓ **Short Delivery Time**  
(Short product R & D schedule and high mass production capacity)
- ✓ **Excellent Service**  
(Provided with a complete customer consultation & service system)

## NB Thermal Module



NB Application



NB Application



AIO (All in One) Application



Netbook Application



Netbook Application



NB Application



NB Application

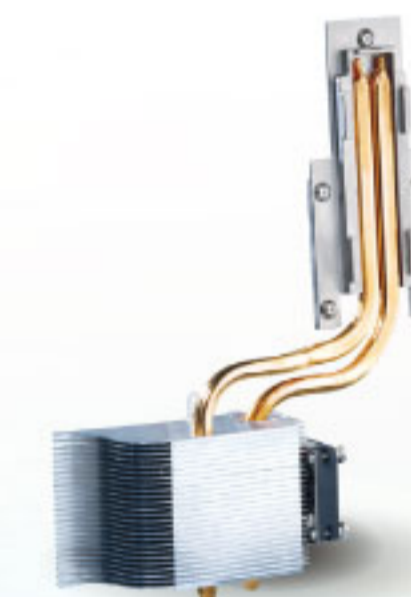


Netbook Application

## DT Thermal Module



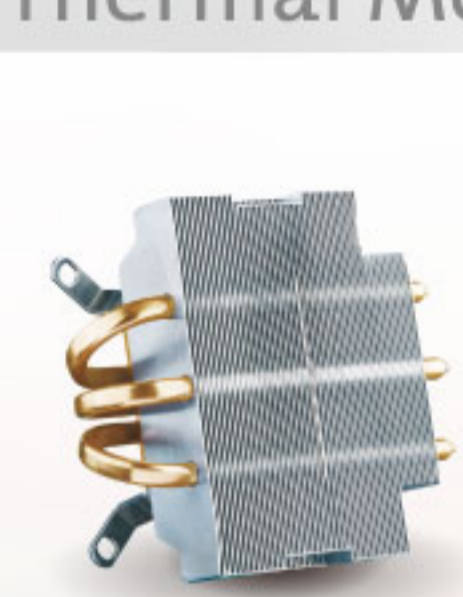
IPC Application



LED PC Application



3D VGA Card Application



Desktop Application

## LED Thermal Module



LED Lighting Application



MR16  
LED MR16 Application



E27/E26  
LED Ball Lamp Application



LED Downlight Application