

SPARKLE Proudly Announced Calibre IDF (Intelligent Dual Fly) Cooling System as an Revolutionary Cooling Solution

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Press release from: [SPARKLE Computer](#)

SPARKLE Computer Co., Ltd., the professional VGA card manufacturer and supplier, today proudly announced the Calibre IDF (Intelligent Dual Fly Cooling System) with SPARKLE exclusively developed GBOX control terminal. The announcement of the revolutionary Calibre IDF Technology would lead the graphics cards cooling into the smart cooling era.

At present, there's problems in the ordinary cooling fans of the graphics cards sold in the markets with insufficient wind pressure and insufficient wind flow which could let users to fear of trouble in the rear. With strong R&D team, Calibre IDF (Intelligent Dual Fly) Cooling System was born in the SPARKLE R&D labs. SPARKLE breaks restraints of traditional conception. innovates in cooling system design, bringing more humanized cooling system, as well as richer DIY pleasure.

The Calibre IDF (Intelligent Dual Fly)Cooling System consists of aluminum die-casting thermal base with copper core inside, three high-efficient heat pipes and dual cooling fans with 0.2 mm thin cooling fins. When the GPU starts working, the copper die-casting thermal base will quickly take the working heat from the GPU to the heat-pipe horizontally put inside the thermal base, and the heat will be equably and rapidly spread to the left part and right part of the copper die-casting thermal base, at same time, the two circular heat pipes also quickly bring the heat from GPU to the 0.2 mm thin cooling fins, now the strong wind pressure and airflow made by two cooling fans take all the heat out of the cooling module. This Cooling System developed by SPARKLE itself can get the most heat exchange area in a limited space, guarantee a highly efficient cooling effect.

With artificial intelligence conception in design, the Calibre IDF (Intelligent Dual Fly)Cooling System has the capability to sense the temperature. Users can freely preset the temperature on the GBOX for the fans running intelligently. The preset temperature range is from 25-80 degree Centigrade. When the GPU temperature is higher than the preset value, the cooling fans can be intelligently adjusted aslant by the Calibre IDF. For example, if user presets the temperature to 50 degree Centigrade on GBOX, when the GPU temperature is higher than 50 degree Centigrade, the motor incorporated in the Calibre Intelligent Dual fly Cooling System will drive two fans working aslant, If the GPU temperature is lower than 50 degree Centigrade, the two fans on the Calibre Intelligent Dual fly Cooling System will automatically close up driven by the motor. With low power consumption and low noise characteristics, the motor doesn't require external power supply, it can get the power from the 4pin power connector on the PCB of the graphics card. With this creative design, when the GPU temperature is higher than the preset value, not only MOS circuit on the PCB can be cooled efficiently, the whole cooling efficiency can be raised too. Compared with ordinary graphics cards cooling fan, the Calibre IDF (Intelligent Dual Fly) Cooling System significantly decrease the core temperature when in full loading, at the same time it also decrease the environment temperature inside the chassis, ensuring the high efficient cooling effect to meet the user's pursuit for high intelligent automatic cooling system.

In order to expediently know the live working condition of the graphics card, and with strong R&D teams, the SPARKLE third generation GDP daughter card-GBOX provides vivid live working condition for better convenient surveillance, it's equipped on the five Inch bay of the chassis. Connecting the Graphics Card through a cable, user can choose the display content, such as GPU temperature, GPU working voltage, fan speed. User can preset the working temperature on the GBOX for the Calibre IDF (Intelligent Dual Fly)Cooling System . Now users can master the working state of his Graphics Card more convenience.

SPARKLE Computer Co., Ltd, established in 1982, is a high-end VGA card manufacturer and supplier to mainly provide NVIDIA series VGA card. With its strong R&D ability and investment in both hardware and software, Sparkle aims to provide the most price-competitive products while with best-in-class quality and service. Not only launch partner, Sparkle is also one of the certificated vendors of NVIDIA. Currently, SPARKLE products sell in more than 80 countries and on the web

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