**Product : DDR3**

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## Apacer Officially Introduces DDR3 Desktop Range Memory Modules In Australia

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The world's fifth largest memory module maker Apacer Technology has launched the DDR3 for desktop range for Australia market. This high-level DDR3 range offering fully supports the Bearlake desktop chipset from Intel, marking the official entry into the new era of DDR3 with higher performance, lower energy consumption and greater capacity.

The Apacer DDR3 desktop range memory modules have been adopted by Taiwanese and European users and have gained wonderful performance feedback. The compatibility of the DDR3 range from Apacer Technology is certified by leading motherboard manufacturers. Apacer Technology maintains long-term cooperation with motherboard manufacturers and has conducted a series of product functionality and compatibility tests during the development of the DDR3 range. Therefore, its DDR3 modules deliver better compatibility with motherboards and are certified by leading motherboard manufacturers the earliest compared with DDR3 modules by other makers.

When compared to the DDR2, the DDR3 for desktop from Apacer Technology delivers more advantages. First, it is equipped with the 8-bit prefetch design, with a computing speed of 800-1600MHz, which doubles the DDR2 using the 4-bit prefetch design with a computing speed of 400-800MHz. Second, the voltage of DDR3 is controlled at 1.5V, which saves more energy than the DDR2 at 1.8V. Third, the ASR (automatic self-refresh) design is applied to the DDR3 to lower the die temperature by reducing the refreshing frequency without sacrificing data transfer reliability. When comparing the DDR3-800, DDR3-1066 and DDR3-1333 with the DDR2-800, the average power consumption of the DDR3 modules is reduced by 25%, 20% and 40% respectively.

The DDR3 for desktop range from Apacer Technology includes the DDR3-1066MHz and DDR3-1333MHz, both with 512KB and 1GB models to meet the needs of various desktop PCs and workstations. This series supports massive data processing, such as movie editing and high-level games, to meet the performance aspiration game players and PC enthusiasts