

By: Daniel F 2007, Hardware Editor

4GB DDR2-800 Gaming Kit from Super Talent

That much RAM could be a problem on 32-bit operating systems

One of the leading manufacturers in DRAM memory modules and flash products, Super Talent Technology, has been producing memory based products for more than two decades, and now they hold over 100 patents in memory technology related innovations. Now they are announcing their 4GB (2x2GB) memory kit especially designed for gaming. The model is called T800UX4GC5 and is a pair of 2GB DDR2-800 memory modules working at 5-5-5-15 latencies with an operating voltage of 2.1V. Interestingly enough, Super Talent is an active member of JEDEC, the council that handles, amongst other things, memory specifications. I'm saying this because their "gaming kit" doesn't respect the JEDEC standard for DDR2-800 memory. First of all, for this frequency, a 1.8V operating voltage is required with a variation between 0.1V to -0.1V from the specifications. And I've have also seen that the majority of memory modules that respect these standards don't use heat spreaders, because they don't generate that much heat to require them. Joe James, Marketing Director at Super Talent Technology stated: "A fast new breed of affordable gigabit DDR2 IC's is now making new modules feasible that three months ago were impractical. This kit is ideal for memory hungry applications running in Windows XP x64 and Windows Vista Ultimate operating systems, allowing customers a path to 8 GigaBytes of system memory by using two kits". Similar to the rest of memory manufacturers, Super Talent has a testing facility and all of the products undergo a rigorous set of tests to verify their endurance, but unlike other manufacturers, the models that are manufactured at Super Talent's Silicon Valley factory are hand-tested in a motherboard under load. The pricing for this gaming kit is estimated at around \$438 and is expected to be available on the market this week.