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AMD Debuts the Dual-core Athlon 64 X2 5200+ Processor

Aiming to put dual-core technology on the desktop

Of the Tier I computer manufacturers, Hewlett-Packard will spearhead the implementation of AMD's new dual-core Athlon 64 X2 5200+ desktop processor in its DC5750 desktop PC. The AMD Athlon 64 X2 dual-core processor 5200+ is the latest example of the company's expanding portfolio.Using AMD's AM2 socket that - in addition of delivering support for the AMD's hardware-assisted virtualization technology - also doubles the bandwidth, connecting the processor and the DDR2 memory, the processor performing at 2.6 Ghz. Featuring a dual, 1-MB L2 cache, the dual-core Athlon 64 X2 5200+ desktop processor promises a performance increased by 80%. “The AMD Athlon 64 X2 Dual-Core processor puts the power of dual-core technology on the desktop. Dual-core processors contain two processing cores, residing on one chip, that perform calculations on two streams of data, thereby increasing efficiency and speed while running multiple programs and the new generation of multi-threaded software. For the end-user this means a significant increase in response and performance when running multiple applications simultaneously. The AMD Athlon 64 X2 Dual-Core processor outperforms the highest-performing AMD Athlon 64 4000+ single-core processor on multi-tasking benchmarks by up to 30%,” revealed AMD in the products' technical presentation.