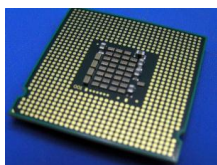


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By: Bogdan Solca, Hardware Editor



[Intel CPU Overclocked at 8GHz!](#)

Extreme overclocking techniques from Italy

OC Team Italy announced that it managed to unpack a Pentium 4 631 CPU and overclock it to a whopping 7520 Mhz, back on January 10th 2007. This risky procedure required some liquid nitrogen cooling, as well as a non-modified ASUS P5B motherboard. The Italians pointed out that the motherboard made it clear that it cannot go above this core frequency. The guys got impressive feedback from the overclockers' community and thought they could break the 8GHz barrier. Thus, they have once again mounted the copper cooling pipe, tuned up the necessary voltage settings and poured a fresh supply of liquid nitrogen. The result? An outstanding 8001MHz core clock reported by CPU-Z. For the first attempt, OC Team Italy also used a 1, 7 core voltage (1,6 real voltage with an steep drop), 2x1Gb Cellshock PC8000 memory kit and a 1Kw power supply. For the 8001 Ghz setup, they used an Asus P5B Deluxe full modded motherboard, a 2 x1Gbyte Cellshock (made up of Adata memory modules for max screen) and an Ali PC P&C 1kw PSU. According to overclocking-team-switzerland.com, previous Intel CPU-based overclocking records include: 1. Entsafter - 5991.65 mhz - Pentium 4 'D' 950@5991.65mhz - Intel Pentium D 950 @ 5991.65, Liquid Nitrogen 2. Duke - 5910 mhz - Pentium 4 640@5910mhz - Pentium 641 @ 5910MHz, Vapochill LS 3. Dogimann - 5413 mhz - Pentium 4 'D' 945@5413mhz - Pentium 4 D 945 @ 5413MHz, Vapochill LS@1,63V-Core4 los lendos - 4953 mhz - Pentium 4 'D' 945@4953mhz - Pentium 945 @ 4953MHZ, OCZ 667@745MHz 4-4-4-8-205. splmann - 4860 mhz - Intel Core 2 E6700 (2.66Ghz)@4860mhz - E6700ES @ 4.860GHz, Mushkin @ 486 Mhz 5-6-6-186. Agent-Orange - 4471 mhz - Pentium 4 'D' 945@4471mhz - no description 7. Tazzler - 4307 mhz - Pentium 4 511J@4307mhz - Pentium 4 511 @ 4307MHz, water cooled 8. Overload - 3895.97 mhz - Intel Core 2 L7400 (1.5Ghz)@3895.97mhz - Intel Core 2 Duo E6400 @ 3895.97MHz vcore 1.55v, Asus P5B, water cooled It looks like 8 GHZ will be a hard record to beat with the actual multi-core CPUs.