

The performance of M32632 at 50 MHz has been measured on a system running NetBSD 1.5.3 with the Dhrystone 2.1 Benchmark compiled with gcc. The source code of Dhrystone was taken from the link at the processor project ao486. The number is:

• 38601 which is equal to 21.97 VAX Mips optimized with -O2

The Linpack Benchmark is a well known program to measure the floating point performance of a computer. The original program was written in Fortran. It can be found here: http://www.top500.org/resources/frequently-asked-questions/. Compiled with gcc with optimization level -03 the M32632 achieves

• 3.02 double precision Mflop/s

TRIPUTER Demonstration System

In the past I used the DEO-Nano board for a demonstration system. Due to the limited capabilities of DEO-Nano I changed to another board from Terasic. The new board is the Cyclone V GX Starter Kit. The FPGA is much bigger, more memory is available and more interfaces are build in, for example a HDMI

In the Trunk directory you find a subdirectory named TRIPUTER. It contains a simple M32632 system which can be downloaded to the board and used immediately. This simple system is only the beginning of a large project. At the end three different computer systems should be running on the Starter Kit (of course not at the same time). For any further information about the project and the status please visit cpu-ns32k.net/TRIPUTER.



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