

microCore progress

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Finally, microCore has been published:

<https://github.com/microCore-VHDL>

gforth_0.6.2 has been wrapped into a docker file (thanks Ulli). It turned out to be completely useless for Windows10, because the serial interface can not be connected.

In order to support the IoT, a 10baseT ethernet interface has been realized.

It just uses a couple of passive components as PHY.

- 10baseT is realised in the FPGA consuming 500 XP2 LUTS.
- (R)ARP and UDP is realised in software consuming 2030 instructions including the multi tasker.