



Question:

How many CPU cores are needed at least for RTPC Multi Core Support?



Answer:

Minimum a quad core CPU is needed for full RTPC Multi Core Support.

- To use the multi core feature for simulation on a dedicated RTPC more than 2 cores are required.
- If only 1 core is available, this core is used for all activities on the RTPC.
- If only 2 cores are present, the Linux OS including non RT user threads will run on Core #0 and the RT user thread (with Simulation Controller) will run on the second Core #1. Therefore all tasks from the OS schedule will be executed on the second core explicitly.
- When more than 2 cores are present, the number of cores minus one can be assigned to tasks in OS Configuration.



Additional information:

- The LABCAR-IP OS Configuration setting "CPU-Core" does not take care about the number of cores that are present during edit time of the project. So for setting up a project with distributed task execution it is not required to have any special hardware present.
- During initialization time in EE a reassignment of tasks to available cores might occur.



In case of further questions:

Please feel free to contact our Support Center, if you have further questions.

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