BECKHOFF

XTS – C6670 Setup

XTS | Multi Core & IPC – C6670 configuration I

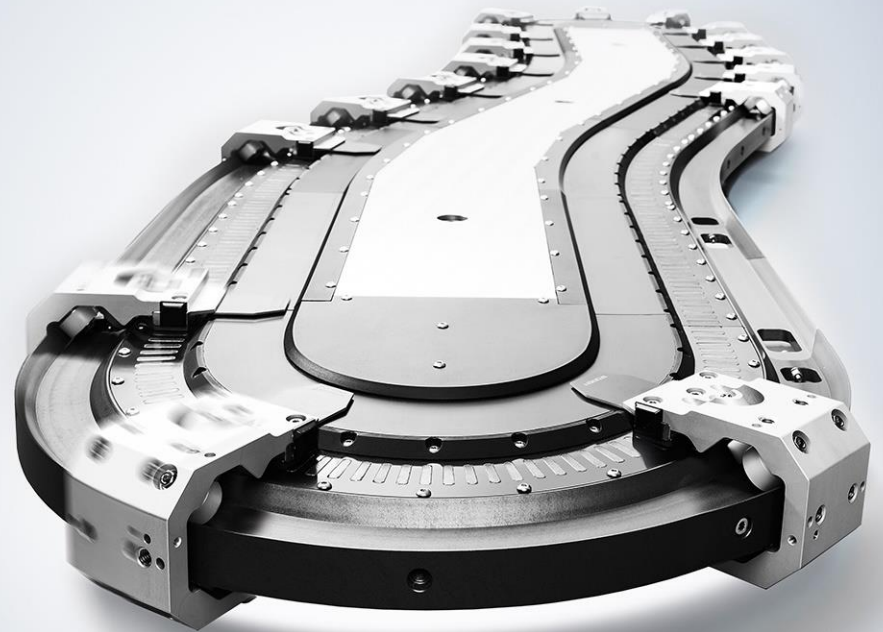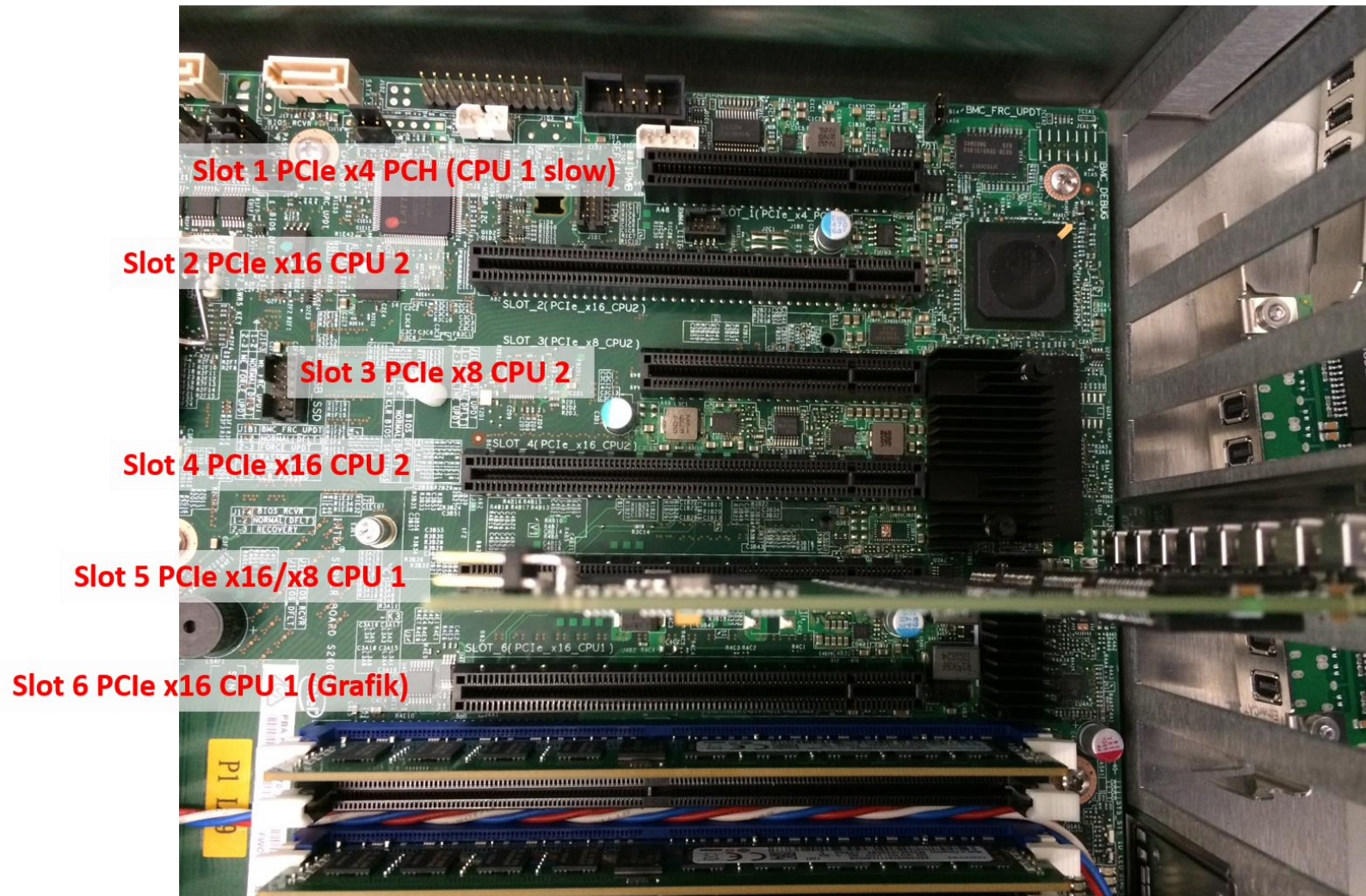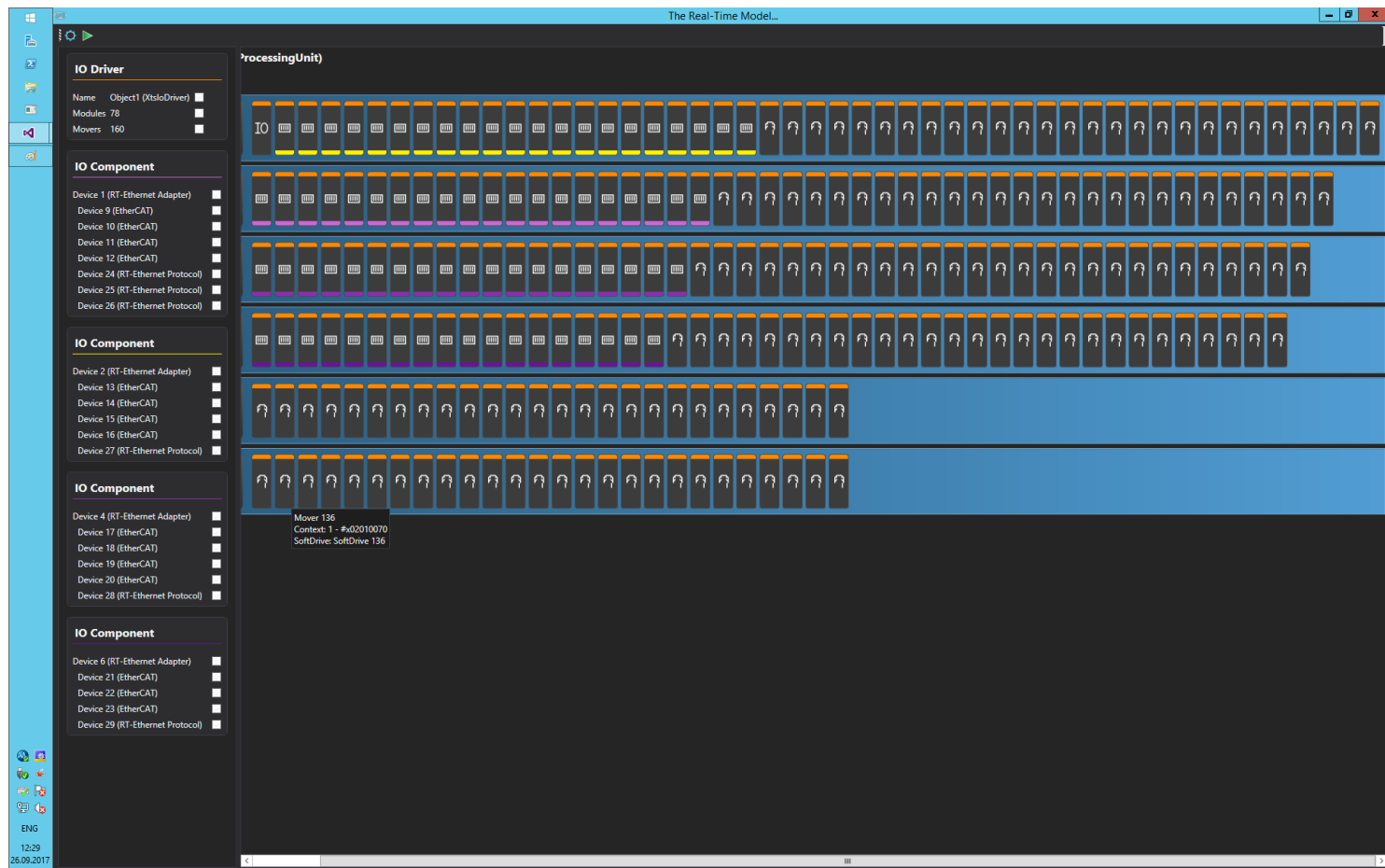**BECKHOFF**

- C6670 "Little big Iron" 2·6 cores Xeon CPU with 2.4 GHz per core

- CPU 1 (core 1.. 5) for all other tasks and the first core 0 from CPU 1 100% for Windows

- All 6 cores on CPU 2 run as isolated cores with 100% used for XTS (core 6..11)

- FC 9024 and FC9022 network cards could be used (maximum 10 additional port could be used for the complete IPC)
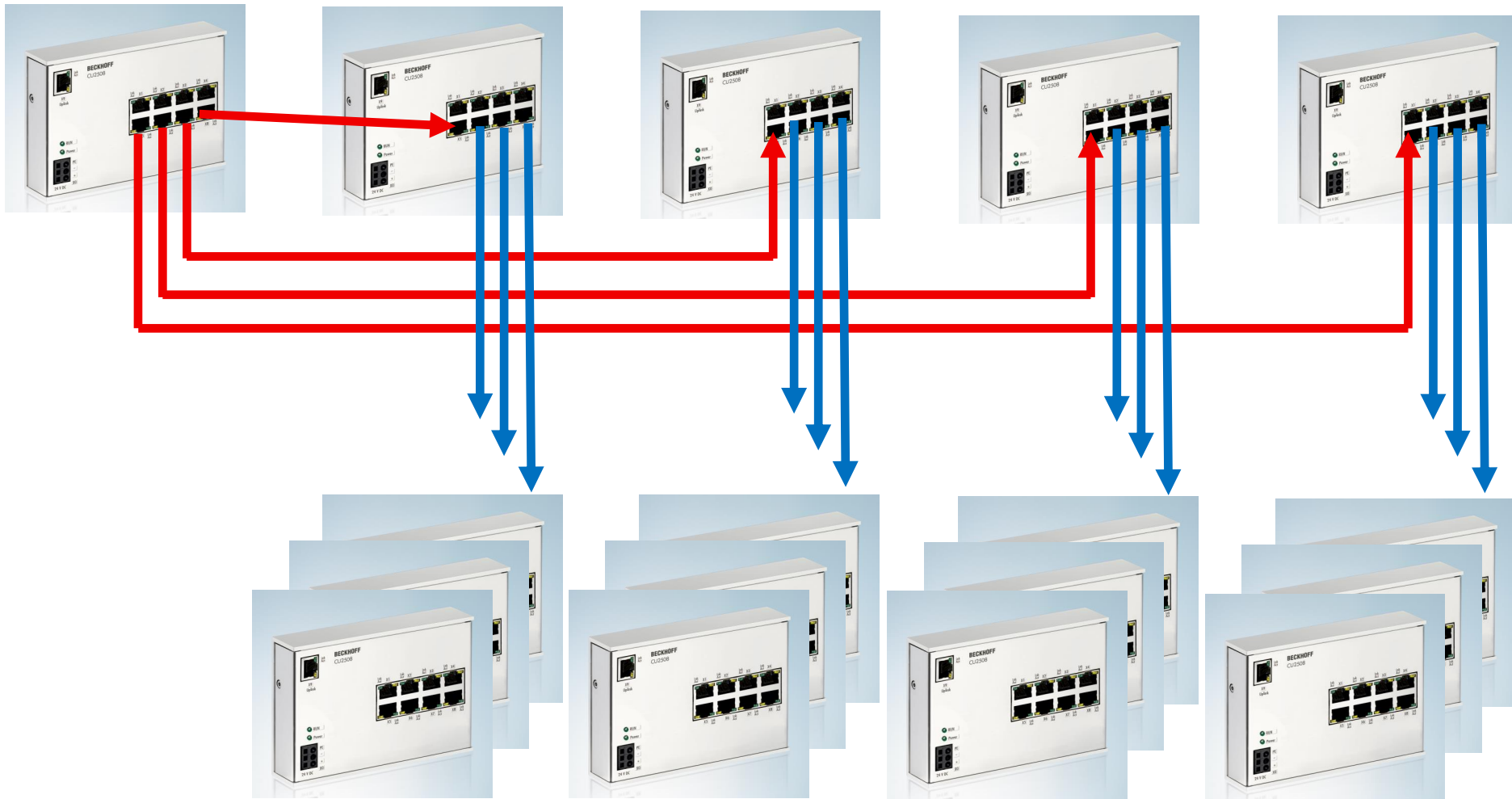

C6670

FC9022   FC9024   CU2508

XTS | Multi Core & IPC – C6670 configuration II

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- All XTS network cards must be plugged into CPU 2 slots

Slot 1 PCIe x4 PCH (CPU 1 slow)

Slot 2 PCIe x16 CPU 2

Slot 3 PCIe x8 CPU 2

Slot 4 PCIe x16 CPU 2

Slot 5 PCIe x16/x8 CPU 1

Slot 6 PCIe x16 CPU 1 (Grafik)

XTS | Multi Core & IPC – C6670 configuration III

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- One CU2508 must run complete on one core and cannot be divided to several cores

- Example four CU2508 run on the first four cores the 160 mover are shared equally over all 6 cores

XTS | Multi Core & IPC – C6670 configuration IV

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- CU2508 with Matrix Synchronization (up to 17 multiplier could be synchronized)

Beckhoff Automation GmbH & Co. KG

Headquarters
Huelshorstweg 20
33415 Verl
Germany

Phone: +49 5246 963-0
Fax: +49 5246 963-198
E-Mail: info@beckhoff.com
Web: www.beckhoff.com