**S7 Simulation PLC**

**The S7 Simulation PLC executes a program in the same manner as a hardware PLC. The advantage of executing a PLC program this way is, that the PLC status can be displayed in real time without any recompile activities. Since the Soft PLC behaves like a original SIMATIC® PLC, the programming tools S7 for Windows® and STEP®7 can be used. Online connections can be established serial, via Ethernet and directly on the same PC. The Simulation PLC works with both S7 for Windows® or the original STEP®7. The program of a S7-PLC or a Siemens Win AC® SoftPLC can be transferred to the S7 Simulation PLC as well.**

**The communication between the Simulation S7 and S7 for Windows® or STEP®7 can be done directly, via TCP IP or with a Zero Modem cable.**

**Modbus TCP Master**

**Modbus on TCP is used by companies like Wago and Phoenix Contact.**

**I/O Monitor**

**Signal state watching and modification of the I/Os is simplified by the integrated IO monitor.**

**Online - Functions**

**Direct Online Access with S7 for Windows® or STEP®7**

**Data exchange with the S7 Simulation PLC can be established with S7 for Windows® or Siemens STEP®7.**

**If the programming system is installed on the same PC, the S7 Simulation PLC can be reached directly. The necessary drivers are included.**

**Access with S7 for Windows® or STEP®7 via Serial port**

**Alternatively data exchange can be established via serial interface using a zero-modem cable.**

**Access with S7 for Windows® or STEP®7 via TCP/IP**

**Further it is possible to access the S7 Simulation PLC via TCP/IP Ethernet using the IBHNet driver.**

**The IBHNet driver can be downloaded from our homepage.**

**Access with S7 for Windows® or STEP®7 using Siemens ISO on TCP (RFC1006) protocol**

**Online functions are also possible using the Siemens ISO on TCP (RFC1006) protocol.**

**Monitoring, Operating, and Controlling simultaneously, from one PC**

**The S7 Simulation PLC integrated in a PC allows process monitoring, operation, and control from one hardware unit. The use of the S7 Simulation PLC is especially useful if a PC for data collection, process visualization, programming, or any other reason needs to be used anyway**