



Connecting Siemens S7 controllers to the IoT world via OPC UA

Structure / Components

Control: S7-CPU (S7-300®, S7-400®)

Gateway 1: **IBH Link S7++** — directly on the MPI/DP port of the S7 controller.

Gateway 2: **IBH Link UA** — Serves as an OPC UA server/client and handles Ethernet/TCP-IP communication with higher-level systems or MES/cloud.

Connection

S7-PLC → MPI/DP → **IBH Link S7++**

IBH Link S7++ → Ethernet → **IBH Link UA** (via RFC1006/TCP-IP)

The **IBH Link UA** provides the OPC UA interface so that other systems (SCADA/MES) can access the data via Ethernet/Ethernet switch.

Configuration:

To configure the system, the free **IBH OPC UA Editor** will be used.
No program changes required within the S7 project.

