



Connecting old SIMATIC® S5 controllers to the IoT world via OPC UA

Structure / Components

Control: S5-CPU (e.g. S5 CPU 95U)

Gateway 1: **IBH Link S5++** — directly on the AS511 PG port of the S5 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

S5-PLC → AS511 → **IBH Link S5++**

IBH Link S5++ → 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 S5 project.

