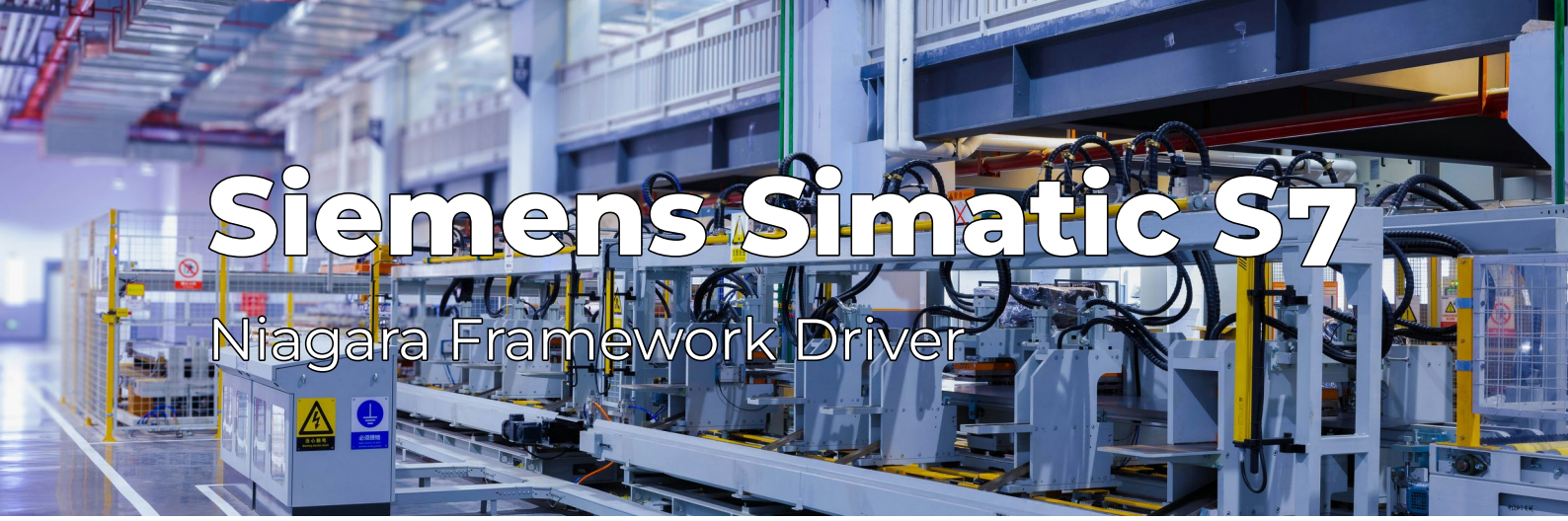
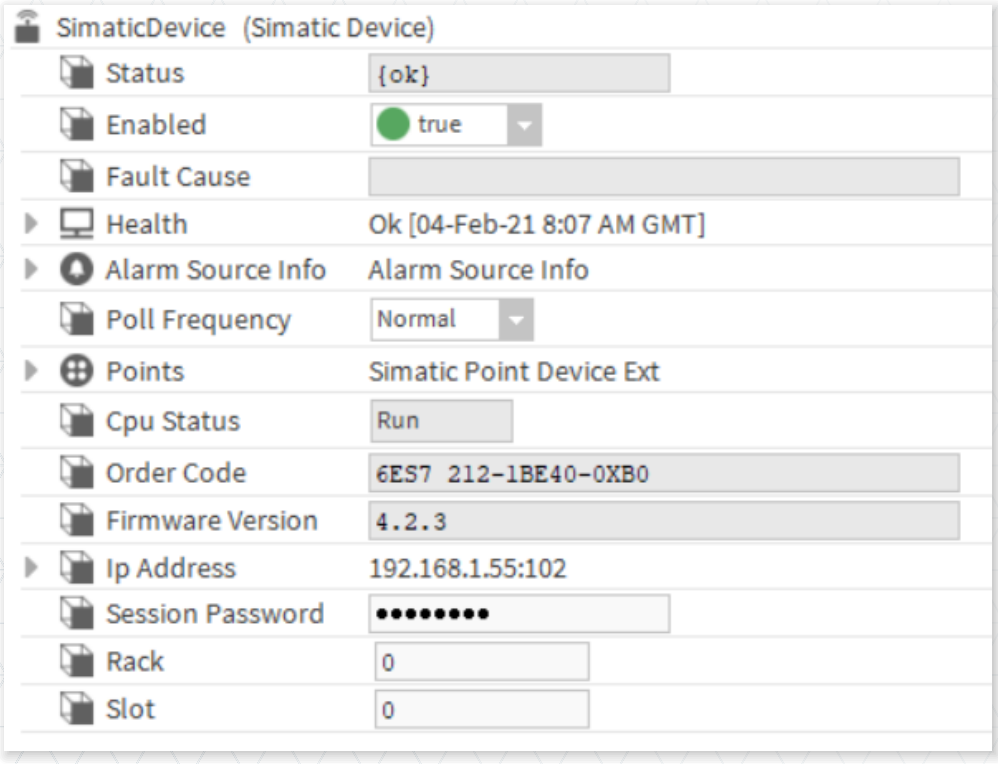


Siemens Simatic S7

Niagara Framework Driver

The Simatic S7 driver integrates Siemens S7 PLCs directly with Tridium Niagara using the native S7comm protocol over standard Ethernet, eliminating the need for OPC servers or additional Siemens software.
The driver provides direct access to all PLC memory areas including inputs, outputs, timers, counters, and data blocks. Optimized block transfer ensures efficient communication even with large data sets.
Real-time PLC status monitoring and remote START/STOP control give operators full supervisory capability from the Niagara interface.
Time synchronization keeps the PLC clock aligned with the building management system.
The driver connects over standard Ethernet at speeds up to 1 Gbps, requiring no additional gateways or protocol converters.

- ✓ Native S7comm protocol communication
- ✓ Direct access to all PLC memory areas
- ✓ Reads and writes I/O, Timers, Counters, and Data Blocks
- ✓ Optimized block transfer for efficiency
- ✓ Real-time PLC status monitoring (RUN/STOP)
- ✓ Remote START/STOP control
- ✓ Time synchronization with PLC
- ✓ Standard Ethernet connectivity up to 1 Gbps
- ✓ No annual fees
- ✓ Free technical support and upgrades



Simatic S7 Device Properties in Niagara Workbench

SUPPORTED DEVICES

S7-1200	ET 200SP	CP343
S7-1500	WinAC	CP443
S7-300	LOGO	
S7-400	S7-200	

SYSTEM REQUIREMENTS

- ✓ Niagara framework 4.8 or later, including OEM versions
- ✓ JACE or Supervisor with TCP/IP network access to S7 PLCs
- ✓ Simatic S7 driver license

CONNECTIVITY

TCP/IP

Connect Niagara directly to Siemens S7 PLCs over standard Ethernet using the native S7comm protocol. Supports communication speeds up to 1 Gbps.

ORDERING INFORMATION

Part Number	Description
SS7-J-250	Simatic S7 for JACE, 250 points
SS7-J-1000	Simatic S7 for JACE, 1000 points
SS7-J-UNL	Simatic S7 for JACE, unlimited points
SS7-SUP	Simatic S7 for Supervisor, first 500 points
SS7-SUP-500	Simatic S7 for Supervisor, extra 500 points