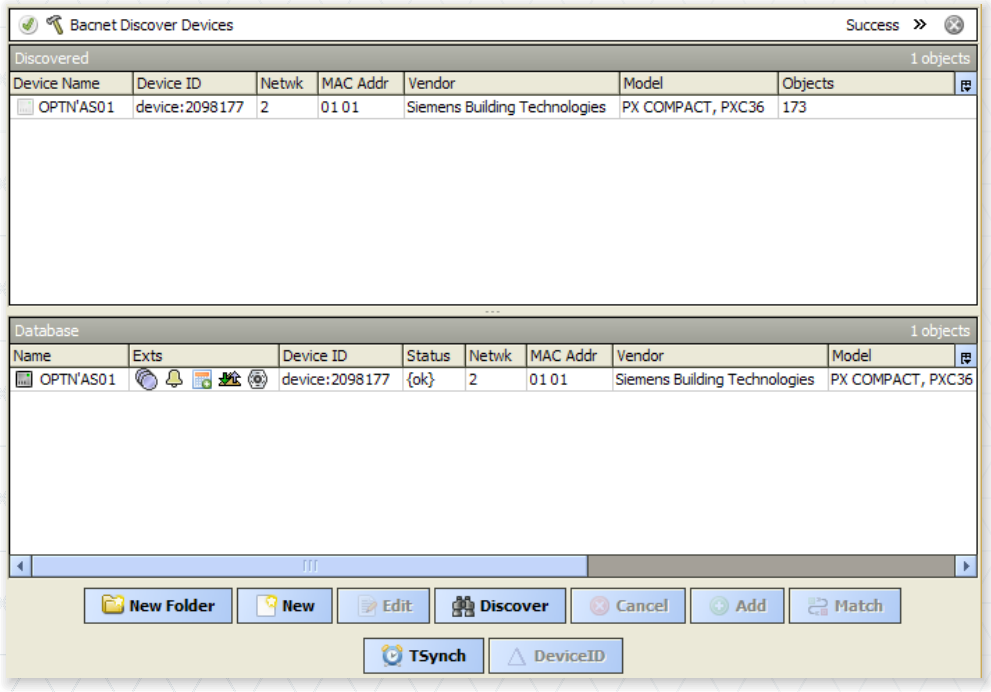
# Siemens Desigo PX

## Niagara Framework Driver

The Desigo PX driver connects Siemens Desigo PX controllers directly to Tridium Niagara via BACnet over LonTalk, providing a standards-based integration for Siemens building automation systems.
Existing Desigo PX controllers require no reprogramming. The driver discovers controllers and points automatically on the LonWorks network, preserving original unit facets and metadata from the Siemens configuration.
The driver provides full point read, write, and override capabilities, along with time schedule import, alarm reception and acknowledgment, and automatic time synchronization.
Dual subscription modes (poll and COV) allow fine-tuning of network performance.
The driver connects via a standard LON adapter card on the JACE, communicating on the existing LonWorks FTT-10 wiring infrastructure.

- ✓ Communicates via BACnet over LonTalk protocol
- ✓ Uses standard LON option card
- ✓ Automatic network discovery
- ✓ Reads, writes, and overrides points
- ✓ Imports time schedules
- ✓ Receives and acknowledges alarms
- ✓ Dual subscription modes (poll and COV)
- ✓ Unit facet import from controllers
- ✓ Synchronizes time across all controllers
- ✓ No annual fees
- ✓ Free technical support and upgrades




Desigo PX Device Discovery in Niagara Workbench

## SUPPORTED DEVICES

| | | | |
|---|---|---|---|
| PXC12.D | PXC12 | PXC52 | PXC128-U |
| PXC12-T.D | PXC12-T | PXC10-TL | PXC00.D |
| PXC22.D | PXC22 | PXC50.D | PXC00-U |
| PXC22-T.D | PXC22-T | PXC100.D | PXC-NRUF |
| PXC36.D | PXC36 | PXC200.D | PXR11 |
| PXC36-T.D | PXC36-S | PXC64-U | PXR12 |

## SYSTEM REQUIREMENTS

- ✓ Niagara framework 4.8 or later, including OEM versions
- ✓ JACE with LON adapter (FTT-10)
- ✓ Tridium LonWorks driver license
- ✓ Desigo PX driver license

## CONNECTIVITY

### LonTalk (FTT-10)

Connect Niagara to Siemens Desigo PX controllers using BACnet over LonTalk on the LonWorks FTT-10 physical layer. Requires a standard LON adapter card on the JACE. The driver supports both poll-based and Change of Value (COV) subscriptions.

## ORDERING INFORMATION

| Part Number | Description |
|---|---|
| DPX-J-250 | Desigo PX for JACE, 250 points |
| DPX-J-1000 | Desigo PX for JACE, 1000 points |
| DPX-J-UNL | Desigo PX for JACE, unlimited points |
| DPX-SUP | Desigo PX for Supervisor, first 500 points |
| DPX-SUP-500 | Desigo PX for Supervisor, extra 500 points |