Siemens Apogee P1 FLN

Niagara Framework Driver

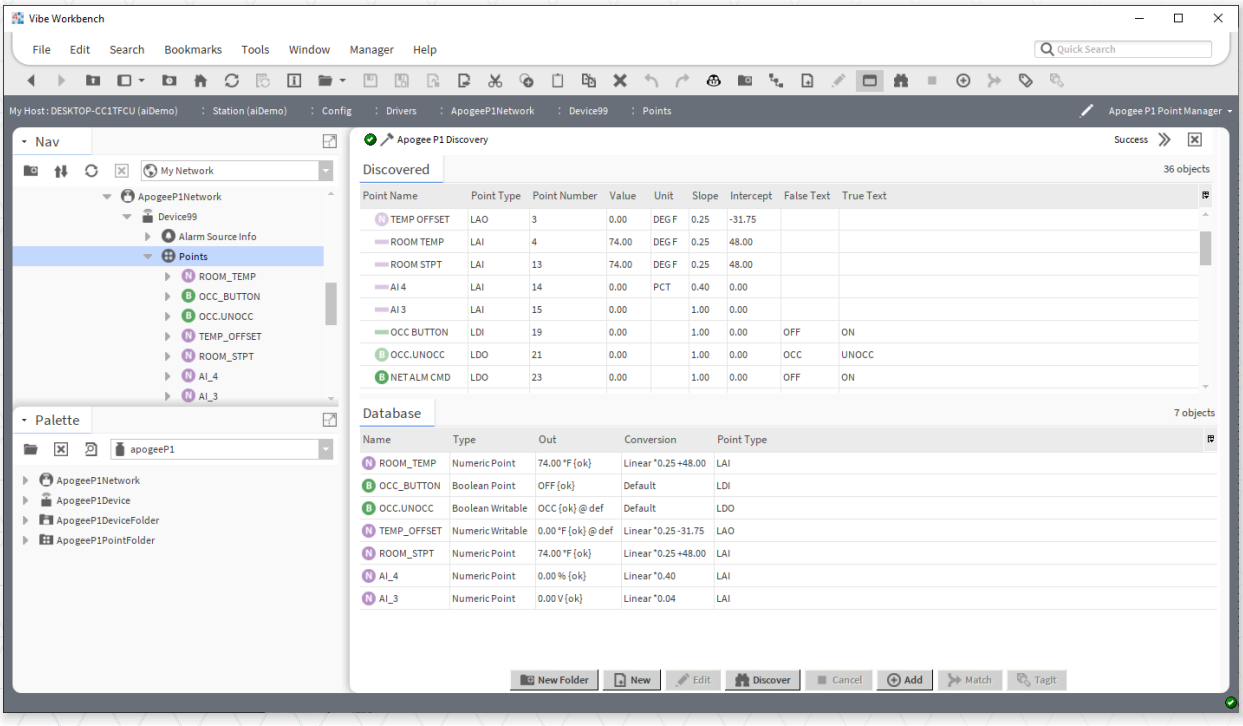
The Apogee P1 driver enables Tridium Niagara to communicate directly with Siemens field-level devices on the P1 bus (FLN), the lowest tier of Siemens Apogee and System 600 building automation systems.

The driver speaks the native P1 protocol, allowing a JACE to replace legacy Siemens panel controllers and communicate directly with TEC, ATEC, LCM, and other P1 field devices. This eliminates the dependency on Siemens panels and significantly reduces migration cost.

Devices and points are discovered automatically with their names, units, and data types preserved. The driver supports all P1 point types with automatic value scaling and full read, write, override, and release capabilities.

The driver connects via RS-485, supporting up to 32 devices per trunk in a master-slave, half-duplex configuration.

- ✓ Native P1 protocol communication over RS-485
- ✓ Automatic device and point discovery with names and units
- ✓ Full read, write, override, and release capabilities
- ✓ Supports all P1 point types
- ✓ Automatic value scaling
- ✓ Up to 32 devices per RS-485 trunk
- ✓ Multiple RS-485 ports per JACE for independent networks
- ✓ Direct communication with field-level devices
- ✓ No controller reconfiguration required
- ✓ No annual fees
- ✓ Free technical support and upgrades



Apogee P1 point discovery and management in Niagara Workbench

SUPPORTED DEVICES

TEC	LTEC	PPM	MD-P1
ATEC	LCM	DEM	VFD
PTEC	UC	BIM	DPU

SYSTEM REQUIREMENTS

- ✓ Niagara framework 4.8 or later, including OEM versions
- ✓ JACE with RS-485 port
- ✓ Apogee P1 driver license

CONNECTIVITY

RS-485

Connect Niagara directly to Siemens P1 field-level devices via RS-485 using the native P1 protocol (master-slave, half-duplex). Supports up to 32 devices per trunk. No additional gateways, panel controllers, or converters required.

ORDERING INFORMATION

Part Number	Description
AP1-J-250	Apogee P1 for JACE, 250 points
AP1-J-1000	Apogee P1 for JACE, 1000 points
AP1-J-UNL	Apogee P1 for JACE, unlimited points
AP1-SUP	Apogee P1 for Supervisor, first 500 points
AP1-SUP-500	Apogee P1 for Supervisor, extra 500 points