



# "P1" Gateway

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## Features and Benefits:

- Integrates all TEC, DPU, MPU devices from Siemens (Landis & Staefa) "P1" (also called "FLN", Floor Level Network) Protocol trunks
- Uses P1 "COV" data for fast response.
- All field devices presented as true BACnet devices, with AI, BI, AO, and BO objects.
- All field controllable objects are writable with full 16 BACnet priority levels (done in the gateway).
- Four "P1" trunks; 240 devices maximum; up to 10,000 I/O points (5,000 recommended)
- BACnet/IP (Annex J) is fully supported, and tested with many different vendor's equipment (at "PlugFests" and at hundreds of sites).
- Autodiscovery of P1 trunks; BACnet objects are fully browsable.
- Completely customizable: User-configurable "templates" for any individual field device, or for all of a certain type ("Application Number") .
- No software required for configuration (all setup can be done via HyperTerminal).
- Easy menu-driven operation during commissioning.
- Communications statistics kept daily; available via BACnet AV objects.

## Integrate Siemens/Landis & Gyr to BACnet

The Centaurus Prime "P1" Gateway allows you to integrate legacy Siemens (Landis and Staefa) Floor Level Network devices to a modern, open BACnet control system.

The "P1" Gateway auto-discovers up to four trunks of TEC, DPU, or MPU devices. Each device type (Siemens "Application Number" is presented as a true BACnet Device, with all points on that device mapped as standard BACnet objects (AI, AO, BI, BO). Controllable points in the Siemens devices are also commandable via BACnet, with the full 16-element BACnet priority array implemented within the Gateway.

Users or Controls Contractors can customize the "standard templates" supplied for each application number, and tailor the system to their own needs. All devices of one type can be customized, as well as EACH and every individual field device, should you wish.

Hundreds of installations throughout the US, Canada, Europe, and Australia assure you of correct operations, with a multitude of host BACnet systems. (For industrial applications, Modbus TCP/IP host protocol is available: special-order option.)

**Contact Centaurus Prime for more information.**



## Technical Specifications:

**Power:** 100 to 240 volt operation, 50 to 60 Hz, with auto-detection. 25 watts inrush; 10 watts nominal.

**P1 Trunks:** Field trunks to Siemens "FLN" equipment is RS-485. Isolated power supplies for trunks, earth grounding for shields. Optical isolation: 1500 Volts RMS. Transient protection: 600 Watts (10/100us waveform). Peak Surge current: 100 Amps (8.3 8s single half-sine wave). ESD protected to +/- 15,000 Volts (Human body model and air-gap discharge).

**Ethernet:** 10 Megabaud 10-Base-T (NE2000 compatible controller).

**Computer:** 386-class PC; 1 MB Static RAM; 512 KB flash, 32 MB Disk-on-chip (NOVRAM)

**Operating Temperature:** -40 to +85 degrees C. 10 to 90 percent RH (non-condensing).

**Cabinet Ratings:** NEMA 1, 2, 3, 3R, 4, 4X, 13

**Dimensions:** 16" high, 14" wide, 8" deep. 20 pounds

**Warranty:** Hardware: 2 years, (factory depot repair). Software: 20 years, (factory download to installer).