



“ULT” Gateway

Centaurus Prime -- 4425 Cass Street, Suites B-C -- San Diego, CA 92109
www.centaurusprime.com -- Voice: 858.270.4552 -- FAX: 858.273.7769

Features and Benefits:

- Integrates **Universal Lighting Controls** DCL (Digital Control Lighting) and CCM (Computer Control Modules) devices. Communications is RS-485, using their standard Protocol trunks
- Compact commands and responses; high throughput.
- 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 RS-485 trunks; 252 CCM/DCL devices maximum; up to 10,000 I/O points.
- BACnet/IP (Annex J) is fully supported, and tested with many different vendor's equipment (at "PlugFests" and at hundreds of sites).
- Autodiscovery of trunks; BACnet objects are fully browsable.
- Objects are standard BACnet, not custom lighting control points or derived data structures.
- 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 **Universal Lighting Controls** to BACnet

The Centaurus Prime “ULT” Gateway allows you to integrate Universal Lighting Controls DCL and CCM devices to a modern, open BACnet control system.

The “ULT” Gateway auto-discovers up to four trunks of DCL and CCM devices. Each of these units 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 DCL or CCM devices are also commandable via BACnet, with the full 16-element BACnet priority array implemented within the Gateway.

Autodiscovery of the DCL and CCM field equipment makes setup quick and easy. All devices are then auto-discoverable by your host system, for fast installation and commissioning. You can have a running and completely commissioned lighting system in a few hours, not days!

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 RTU or 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 Universal Lighting Controls DCL and CCM 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).