



“ASD” Gateway

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Features and Benefits:

- Integrates all MicroZone-II, MicroFlo-II, PEM, and MicroNet (VAV and HP/FCU) ASD devices using their proprietary protocol trunks.
- Uses only 2-3 commands to obtain ALL data from a devices, 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).
- Two “ASD” trunks; 240 devices maximum; up to 10,000 I/O points.
- BACnet/IP (Annex J and a) is fully supported, and tested with many different vendor’s equipment (at “PlugFests” and at hundreds of sites.
- Autodiscovery of ASD trunks; BACnet objects are fully browsable.
- Completely customizable: User-configurable “templates” for any individual field device, or for all of a certain type.
- 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 “ASD” bus devices to BACnet

The Centaurus Prime “ASD” Gateway allows you to integrate legacy Invensys/Barber-Colman ASD-bus devices (PEM, MicroZone-II, MicroFlo-II, and MicroNet) to a modern, open BACnet control system.

The “ASD” Gateway auto-discovers up to two trunks of MicroFlo-II, MicroZone-II, PEM, and/or MicroNet devices. Each 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 Invensys/Barber-Colman devices are also commandable via BACnet, with the full 16-element BACnet priority array implemented in the Gateway.

Users or Controls Contractors can customize the “templates” for each device, as desired, 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 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.

ASD Trunks: Field trunks to Barber-Colman (Invensys) “ASD” 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, 8 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).