SMARTCABINET™ FOR DIGITAL CEILING

VERTIV

FEATURES

- **Power Conditioning and Back-up.** A true double conversion UPS with integrated bypass capability delivers continuous, high-quality AC power with no break when transferring to battery or during maintenance. Equipment is protected from all power disturbances due to blackouts, brownouts, sags, surges or noise interference. Optional external battery is available for additional run-time when utility power is lost.

- **Remote Monitoring.** The SmartCabinet for Digital Ceiling can be connected to your network and will alert you about power failures, high-temperature conditions, or when the cabinet door is opened, among other things.

- **Remote Access.** You will be able to always access the Cisco switches through your network or a modem connection. This means you will never lose access to your network equipment and will be able to commission, troubleshoot, and fix issues remotely saving you time and money.

- **Physical Security.** The SmartCabinet for Digital Ceiling has lockable front and back doors and is equipped with sensors to alert you when the doors are opened.

The SmartCabinet for Digital Ceiling contains all supporting infrastructure required to successfully deploy your Cisco Digital Ceiling system in up to 9,600 sq ft. This cabinet is specifically designed to support up to 4 Cisco 3850 switches, with up to 24 60W, PoE ports on each switch, for a maximum of 96 PoE end-points.

Cabinet

13U high, 24" wide, 36" deep lockable cabinet. Other cabinet, including wall-mounted options, are available upon request.

Cisco 3850 Switches

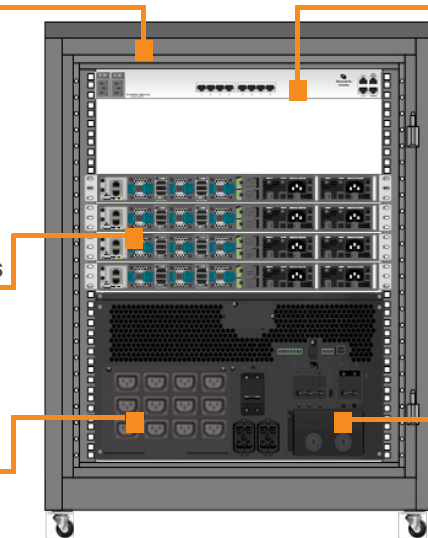Up to 4 cisco 3850 switches with up to 24 PoE ports.

UPS

The Liebert® GXT4 8 kVA UPS supports true online double conversion to eliminate all power quality issues without any fluctuation in voltage.

Advanced Console Server

The Avocent® ACS6000 gives you access to the console port of the 3850 switches.

Remote Monitoring

The SmartCabinet can be equipped with temperature, humidity, and door sensors. All sensors and the internal UPS battery can be monitored remotely and support standard SNMP.
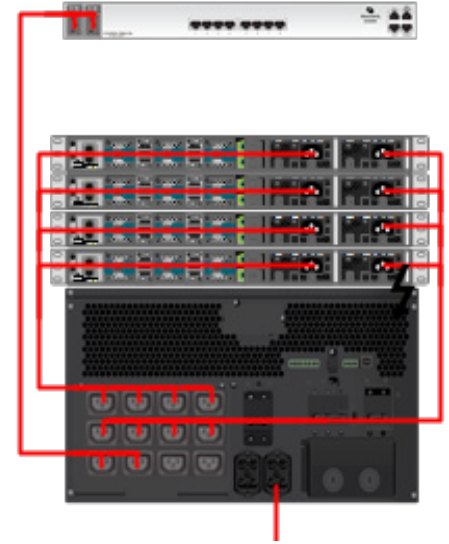
A SmartCabinet™ for Digital Ceiling is powered by an 8 kVA true online double conversion UPS that offers the highest level of power protection and the highest up time to your Cisco switches. The picture to the right shows how you will connect the power cables when installing your Digital Ceiling equipment into the cabinet. The Liebert® GXT4™ online UPS comes equipped with 12 C13 outlets, eliminating the need to use an additional PDU. Besides the internal battery on the UPS unit, the cabinet can also ship with an additional external battery that will include the run-time in case of utility power failure.

A SmartCabinet for Digital Ceiling allows you remotely monitor the environment in which your Digital Ceiling equipment is running to ensure that you will receive alerts when conditions degrade. The following alerts are available:
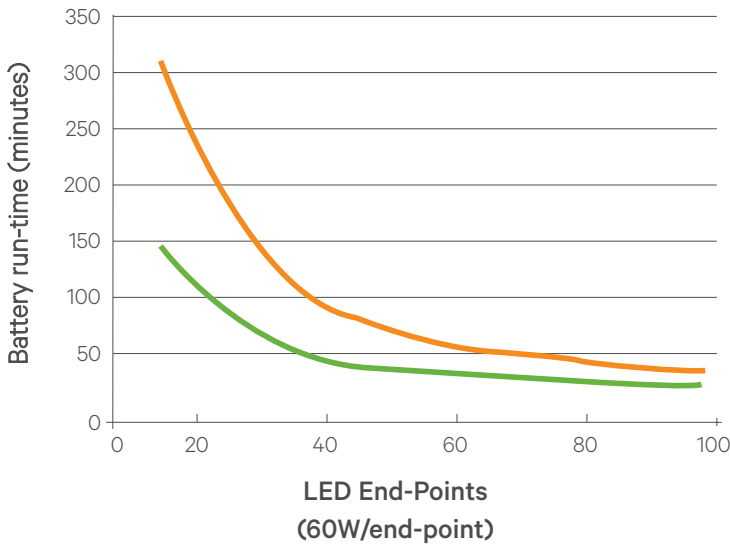
- **Power alerts.** You will receive alerts when the utility power is down and the UPS is running on battery. You will also receive alerts if the power remaining on the battery is running out.

- **Temperature alerts.** The temperature sensor in the front of the cabinet will ensure the temperature of incoming air is within the acceptable range of your Digital Ceiling equipment.

- **Intrusion Alerts.** You will receive alerts when the doors of the cabinet are opened.

Besides having the ability to send traps, the UPS communications card has full SNMP capabilities and will allow you to monitor the power and the sensors on a SmartCabinet via any network management software that supports SNMP.

Hard-wired terminal block (L-N-N-G) ⚡

Battery Run-Time Curve
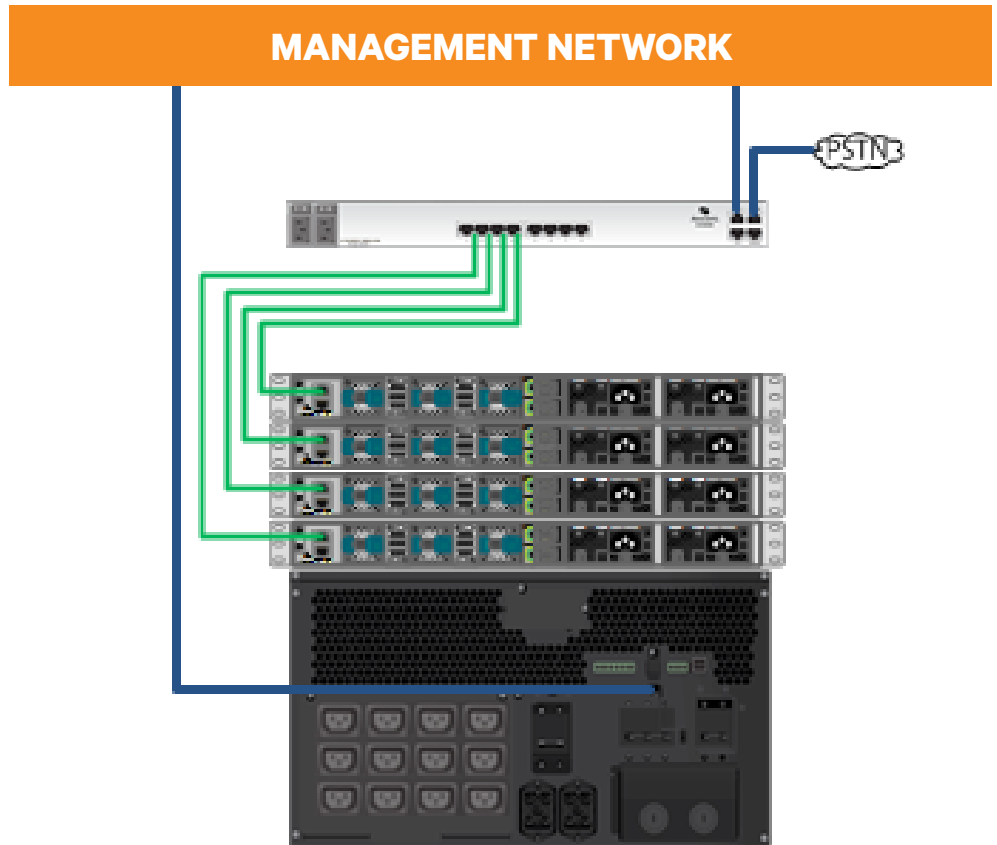

Management Interface

Remote Access

A SmartCabinet™ for Digital Ceiling allows you to remotely access the serial ports of your Cisco equipment via the network or a dial-up connection. This will allow you to configure the switches remotely even when they have not been configured or when the switches are not responding to network commands.

The remote access provided by the SmartCabinet for Digital Ceiling permits that you resolve any configuration issues with the Digital Ceiling without leaving your desk. This can save you hours of site visits and is particularly valuable when the Digital Ceiling infrastructure is in a remote location or on a spot that is hard to reach.

The remote access functionality is accomplished by connecting the serial console ports of the Cisco equipment into the Avocent® ACS 6008 Advanced Console Server. You then can use any SSH client or web browser to access those serial console ports via the network. Optionally, in network-down scenarios, you can use a modem connection to access the Avocent ACS 6008 and the Cisco equipment.

The Avocent ACS 6008 has all the security features required for deployment under the most strict network security rules. Access is protected by authentication, which can be integrated with TACACS, LDAP, or Active Directory; by access control lists, which can be created on the Avocent® ACS itself or on the authentication server; all access attempts are logged forfuture auditing; and all communication is encrypted using the latest protocols.

MANAGEMENT NETWORK

Ensure business-critical continuity with comprehensive protection and vital support services for your critical infrastructure

UPS systems play a critical role in keeping your Digital Ceiling systems up and running however your UPS system needs to be monitored and maintained to ensure proper operation. To help IT organizations manage their UPS infrastructure at optimum condition Vertiv™ offers two services packages:

Power Assurance Package

The Power Assurance Package is a five-year protection plan and the industry's premier service capability to safeguard your small IT sites - it puts your UPS system in the capable hands of an experienced team of factory-authorized technicians from day one - ensuring network availability and peace of mind. It includes:

- Five-year protection plan with 100% parts, labor and travel coverage

- Startup and installation

- Removal and disposal of existing equipment per regulatory requirements (optional)

- On-site support and emergency response available 24/7

LIFE™ Services

LIFE Services provide increased uptime and operational efficiency through continuous monitoring, expert analysis and proactive response of your UPS system. Detailed parametric data is continuously captured and transmitted safely to an authorized remote service center for analysis and response. Should an operating anomaly or alarm condition arise, the engineer performs an immediate analysis and initiates an appropriate response to have the critical system quickly, safely and accurately restored to its proper operating condition.

Ordering Info

SmartCabinet™ FOR DIGITAL CEILING CONFIGURATION	PART NUMBER
No Remote Access; No External Battery	SCB3CDC-182D011C0
No Remote Access; External Battery	SCB3CDC-182D011C1
Remote Access; No External Battery	SCB3CDC-182D111C0
Remote Access; External Battery	SCB3CDC-182D111C1
Power Assurance Package	PAPGXT-8-10K
Power Assurance Package + Life	PAPGXT-8-10KLF
Power Assurance Package - External Battery Only	PAPGXT-BATT

The SKU's above have been created for your convenience however you have full flexibility on how your SmartCabinet will be configured. Please send your questions or customization requests to DigitalCeiling@VertivCo.com.

For more information visit:

VertivCo.com/SmartCabinet

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