SMARTZONE™

DCIM Software Overview

Panduit

18900 Panduit Drive
Tinley Park, IL 60487

+1-708-532-1800
cs@panduit.com

How efficient is your Data Center?

As data center consolidation, server virtualization, and automation become more widely adopted to increase data center efficiency and agility, the elements of power, cooling, asset utilization, and connectivity become very important factors for operating data centers. This makes physical infrastructure management tools, in conjunction with existing system software management tools, critical to support the changing needs of your data center.

Maintaining real-time monitoring, dashboard visualization, management, and reporting of key attributes across speed, power, cooling, and provisioning, as well as the underlying physical infrastructure, is a vital step in this evolution. Panduit's data center infrastructure management (DCIM) solutions provide accurate, automated, and centralized physical infrastructure visibility to help network stakeholders achieve service-oriented goals. These tools, dashboards, and reports enable you to make informed decisions to meet the demanding needs around capacity planning, remote management, and end-to-end service level agreements. This means that real-time information about connectivity, power usage, thermal and environmental conditions, and space is now at your fingertips to provide complete data center infrastructure management. Whether you are building a new data center, or looking to better manage your existing data center environment, Panduit has a solution.
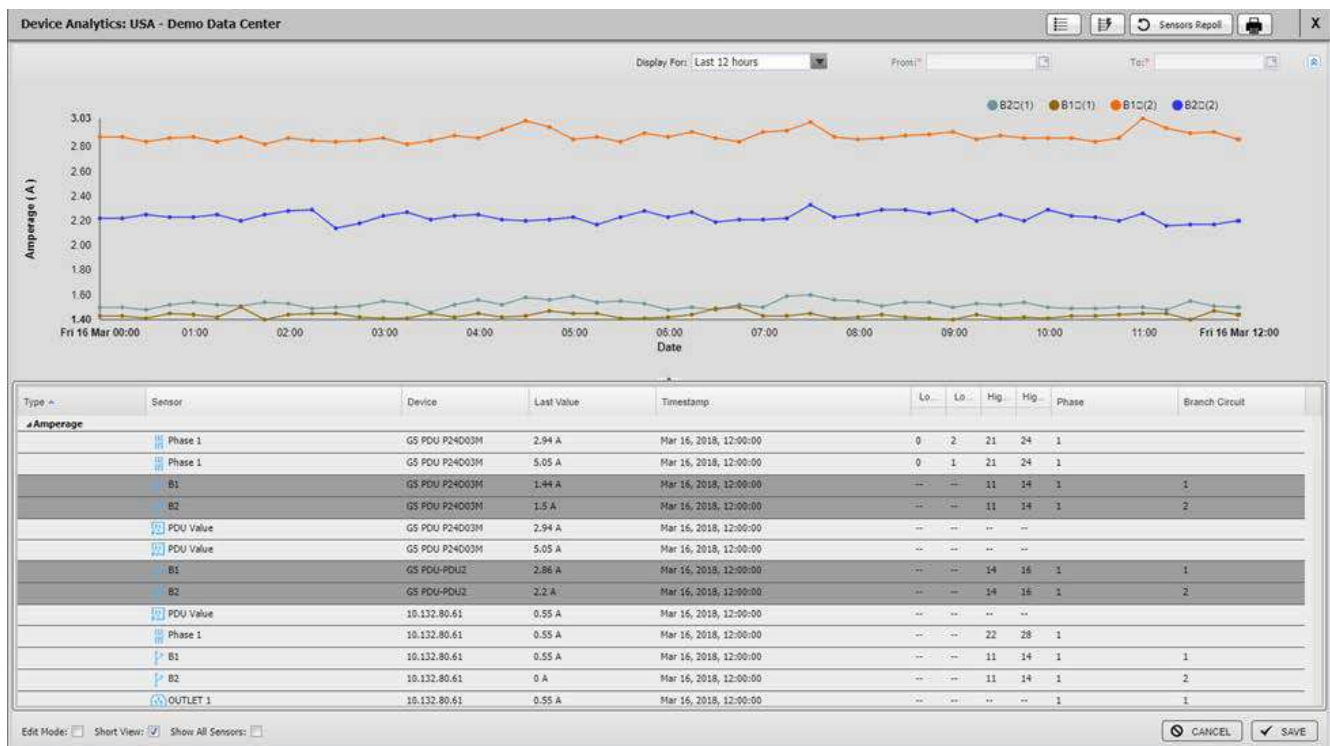
SmartZone™ DCIM

The SmartZone™ DCIM software is an enterprise web-application server that combines power and environment monitoring along with asset tracking and connectivity management. It tracks critical infrastructure resources and provide visual representation of a rich set of asset attributes, connectivity, space/port availability, and power/environment resources, to ensure that your physical infrastructure supports mission-critical applications, and enables effective optimization of your data center's space, power, and cooling resources.

SmartZone™ DCIM software includes the following modules that can be implemented one at a time or in any combination.

SmartZone™ Power provides users a wholistic view of where power is consumed. Provides data center managers the ability to view the consumption of power and measures how efficiently the data center is utilizing power. Real-time events and notifications based on user defined thresholds are available along with current and volt consumption. Users can view the impact on power capacity and have at-a-glance views of PDU's analytics. SmartZone™ Power allows for the representation of rack and cabinets power usage on a color-changing floor plan. The combination of these features provides data center managers insight into power capacity, load balancing and energy-saving opportunities within their data center.

SmartZone™ Environment provides data center manager centralized visibility of the temperature and humidity environmental sensors throughout the datacenter space. Real-time events and notifications based on user defined thresholds are available to alert users or potential risks. SZ-Enviro allows for the representation of rack and cabinets temperature and humidity to be viewed on a color-changing floor plan. The combination of these features provides data center managers insight into environmental conditions that may pose risks within their data center.
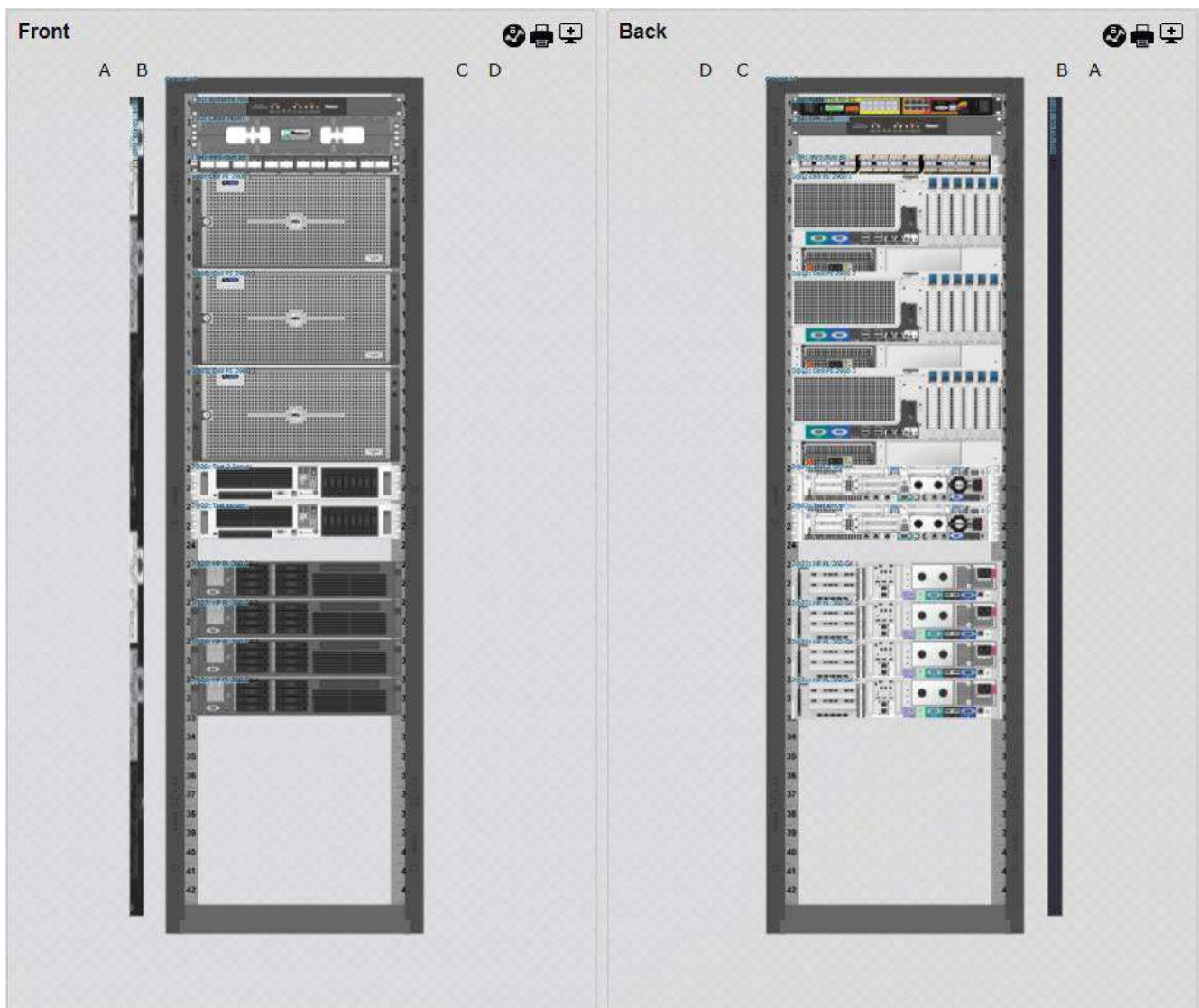
ASSET

SmartZone™ Asset provides users with centralized visibility of IT Assets and space capacity. Provides data center managers the ability to view a digital elevation view of racks and cabinets. SmartZone™ Power allows for the representation of rack and cabinets space utilization usage on a color-changing floor plan. Allows users the ability to gather and store asset attributes in a single repository. Provides rack and cabinet capacity for move, add, and changes.

SmartZone™ Connect enables data center managers to build and view end-to-end connectivity of IT network devices. The Connect module provides the ability to capture the capacity of switches and utilization and availability of switch ports. When used with PViQ™ Patch Panels, Intelligence Modules, and PViQ™ Patch Cords, this SZ-Connect provides guided moves, adds and changes, as well as guided patch cord tracing.

In conclusion, Panduit's modular approach to delivering DCIM functionality enables you to customize the solution to meet the needs of your organization both now and in the future. Process-driven integration with your current network management and service desk platforms, delivers a streamlined interface to support management of IT assets with related attributes and physical infrastructure components of your data center and extended enterprise.