



End to End Connectivity Management for Data and Power Circuits

Key Highlights:

- Visualize all your structured, patch, and power cabling infrastructure in 3D or with automatic network and single-line diagrams.
- Map device relationships and report on upstream/downstream impacts.
- Easily see site by site available data or electrical port capacity by port types.
- Device templates in models library ensures accurate port count and type for each device.
- Accurately measure cable lengths before installation.
- Connector library and rules allow you to define authorized connections.
- Easily import or bulk edit cable adds, moves, and changes.
- Track spare cable inventory by location.
- Quickly identify single points of failure, decreasing troubleshooting time.
- Easily perform impact analysis and what-if analysis to understand the effect of maintenance or new deployments.
- Increase productivity with clear port-to-port instructions on work orders.
- Improve uptime by automatically tracking the power at each breaker connection to ensure ratings are not exceeded.

“Using [dcTrack] to maintain documentation of assets’ placement, data and power connections is easy and logical.”

Rob Hansen, Engineer II Data Center Infrastructure Systems, **Comcast**

Automate Connectivity Management with DCIM Software

Modern data center sites have an overwhelming number of IT assets to manage, each with a multitude of associated power and data cables. For example, in a site with 100 racks, there are over 70,000 individual cabling and port components that need to be accurately tracked and managed to efficiently perform moves, adds, and changes, understand port capacity, and troubleshoot issues to reduce downtime. Management tools like Excel and Visio are time-consuming, inaccurate, difficult to manage, and can no longer get the job done today.

Sunbird’s Data Center Infrastructure Management (DCIM) software makes cable management easy because our vast vendor models library provides the correct port count and specifications for every device you deploy. Our system has built-in validation to ensure all planned port connections can be implemented in the real world because the connections are compatible and available. With the industry’s best built-in dashboard, Sunbird DCIM provides very insightful reporting and 3D visualization to easily understand port capacity and end to end cable paths.

Remotely Visualize Connectivity Across All Equipment in All Sites

- See Everything – Visually document servers with copper/fiber data connections, edge switching (top of rack/end of row), core routing and switching equipment, patch panels, multiplexing equipment, demarcation points, carrier wide area network, rack layouts, IDF closets, cable trays, KVM and serial console ports, cord IDs, circuit IDs, and more.
- Port-Level Management – See exactly how items are connected down to the power and data port level on your data center floor map in 2D or 3D or in tabular formats.
- Completely Customizable – View full circuits or only the end points, including patch cords, structured cabling, and distribution cabling. Select the cabling colors to match what you use in your environment.

Automatic and Reliable Network Documentation

- End-to-End Documentation – Understand every node in your circuits to quickly identify single points of failure, decrease troubleshooting time, and conduct impact analysis or what-if analysis.
- Document More Than Just the Network – Marry network items in a single pane of glass with other objects such as busways, cabinets, CRACs, environment sensors, floor PDUs, power outlets, rack PDUs, and UPSs.
- Ensure Work Gets Done Accurately – Create work orders with clear port-to-port connection instructions based on cabling components and cabinet elevations.
- Have the Most Up-to-Date Data – Automatically capture cabling component information with any moves, adds, or changes.

Improve Uptime with End-to-End Power Path Management (AC or DC)

- Automatic Single-Line Diagram – Visualize your entire power chain including utility feeds, generators and fuel tanks, transformers, switchgears, switchboards, DC power plants, and DC bays in a single pane of glass.
- Budgeted Power at Every Connection Point – Budget power at every point from the UPS or battery strings to the device power supply with (N) or (N+1) redundancy.
- Never Trip a Breaker – Users are prevented from making connections that will overpower any breaker or fuse anywhere in the power path.

Save Money and Get Instant Return-on-Investment

- Reduce Operational Expenses – Automate manual and time-consuming processes like measuring cable lengths. Eliminate the need to send technicians onsite to manually query available resources or trace and troubleshoot circuits.
- Defer Capital Expenses – Improve capacity planning and utilization of existing resources. Identify unused structured cabling to defer new installations.



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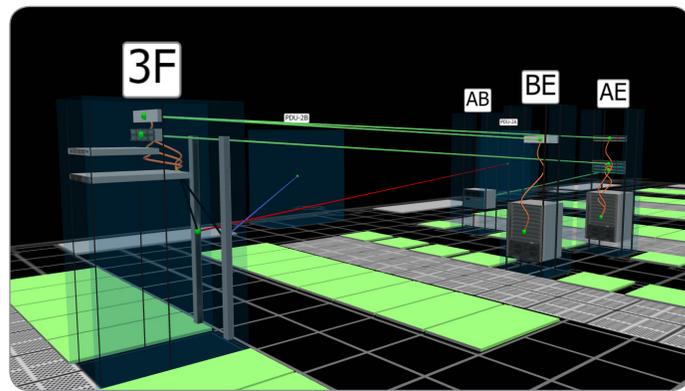
Business Intelligence and Analytics

Get actionable insights from zero-configuration charts and reports for all your connectivity KPIs. Easily find stranded capacity, forecast when you will run out, and make the most of your existing resources.



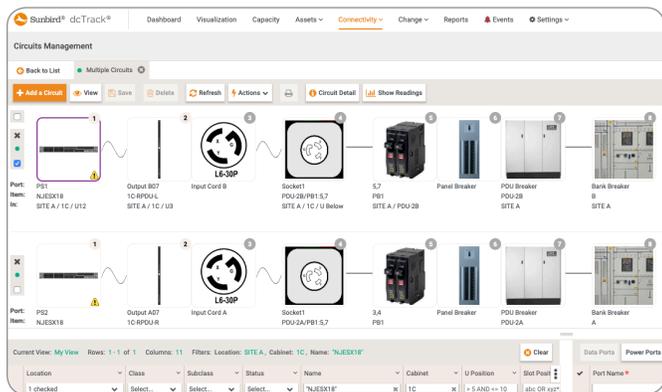
Visualize Cabling Infrastructure in 3D

View end-to-end connectivity of structured, patch, and power distribution cabling. Manage real-world infrastructure and labeling scenarios with support for various design architectures and all cable types, connectors, and topologies.



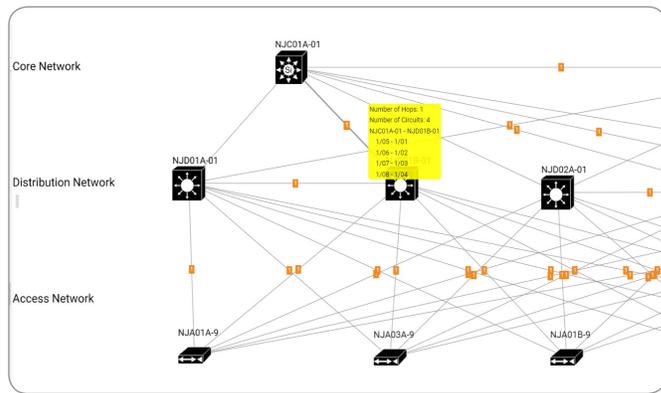
Multiple Circuit Trace Diagrams

Each node and connection in a power or data circuit is displayed using a graphical representation of the circuit. View the complete circuit from the starting item to the ending item to ensure redundancy.



Automatic Data Network Diagrams

Visualize what's connected to what, across both active and passive components and across all sites, to decrease time spent troubleshooting and planning. View in tiered or mesh mode, display nodes as shapes, icons, or model images, and color code nodes based on their attributes.



Call 732.993.4476 or visit SunbirdDCIM.com

Sunbird Software is changing the way data centers are being managed. With a focus on real user scenarios for real customer problems, we help data center operators manage tasks and processes faster and more efficiently than ever before, while saving costs and improving availability. We strive to eliminate the complexity they have been forced to accept from point tools and home grown applications, removing the dependency on emails and spreadsheets to transform the delivery of data center services. Sunbird delivers on this commitment with unexpected simplicity through products that are easy to find, buy, deploy, use, and maintain. Our solutions are rooted in our deep connections with our customers who share best practices and participate in our user groups and product development process.

Based in Piscataway, NJ, Sunbird serves over 1,850 DCIM customers worldwide. For more information, please visit SunbirdDCIM.com.

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