EBOOK

Top 10 Reasons to Monitor Busway Tap Boxes



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Introduction

Modern data centers are growing in density and complexity as IT devices require more and more power to racks. This can lead to issues with power distribution, cabling, and cooling, and challenges data center managers to keep pace with the ever-increasing demands of IT infrastructure.

To stay ahead of the rising power requirements for critical infrastructure in racks while reducing complexity, many data center managers deploy overhead busways for their power distribution architecture. The benefits of busways can be found in increased space capacity, flexibility, energy efficiency, scalability, modularity, reliability, customizability, and safety. Busways also reduce construction costs, construction time, maintenance time, and human error.

Yet, without a monitoring solution, you may not be getting the most out of your busways. That is why the best data center managers leverage Data Center Infrastructure Management (DCIM) software to centrally monitor all their tap boxes.



Monitoring busways with DCIM software makes it easy to:

- Maintain uptime.
- Improve the efficiency of capacity utilization.
- Increase the productivity of people.

From hundreds of discussions with our customers, we have first-hand knowledge on how and why they use DCIM software to monitor their busway tap boxes. In this eBook, we have compiled their feedback into the top 10 reasons why you should monitor your busways.



How Monitoring Busway Tap Boxes Maintains Uptime



HOW MONITORING BUSWAY TAP BOXES MAINTAINS UPTIME

Monitor actual cabinet power load and receive warning and critical alerts based upon threshold violations.

Many data center professionals only take weekly or monthly measurements of their cabinet power consumption.

This practice leaves you vulnerable to downtime from short-term peaks or undetected overloads. Monitoring actual cabinet power loads from the busway in real-time makes it easy to know the health and capacity of your sites.

For example, if you see a spike in a cabinet's load and have not made any change to its equipment, it might be an early warning sign that you have an issue with a power supply or other piece of equipment in that rack. You can also set thresholds on the power data from your busways and receiving warning and critical alerts based upon threshold violations.



REASON 1

You will be the first to know of any potential problems and can proactively resolve the issue before you experience downtime or users are impacted.



HOW MONITORING BUSWAY TAP BOXES MAINTAINS UPTIME

Monitor actual rack PDU inlet current to ensure loads do not exceed redundancy thresholds.

Modern data centers are densely packed with power-hungry equipment, and data center professionals must deliver increasing amounts of power to these devices.

You must monitor your power redundancy to ensure that power is always available to IT equipment even if there is a power failure on a single power supply or power path.

By monitoring the actual rack PDU inlet current and performing failover analysis, you can be assured that power is redundant and uptime will not be impacted in a failover scenario.

Date Range: Location:	2019/09/14 - 2019 New York	9/09/14							
Racks sorted b	ed by: Failover Utilization (descending) d by: Failover Utilization (descending)								
Pairs sorted by	: Fallover Utilization	(descending)							
1A									
Rack Summar	У								
Capacity (kW) Load (kW) Utilization									
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L1 L2 L3	24 24 24 24	Load (A)	Utilization 7.1% 8.7%	Load (A) 1.64 1.44	Utilization 6.9% 6.0%	Load (A) 3.35 3.54	Utilization 13.9% 14.7%		



REASON 2

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