



Powering and Connecting Your World

Simplifying Remote Monitoring & Management For Solutions Providers

“Tripp Lite solutions enable us to provide our clients with an end-to-end solution for their data centre infrastructure requirements, resulting in proactive resolutions of issues and, thus, peace of mind for their ICT teams.”

*Robert Yawe, Director
Synaptech Solutions Limited
Nairobi, Kenya*



Customer

Synaptech Solutions Limited is an information and communications technology company specializing in smart data centre infrastructure solutions for greenfield or retrofit projects. The company provides its clients real-time visibility of ICT operations with cost-effective solutions that leverage integrated monitoring features, proactively helping to prevent downtime.

Challenges

Synaptech Solutions was working with a client in the insurance industry to design and implement a smart data centre. The client’s requirements included 24/7/365 availability of mission-critical equipment. Robert Yawe, Synaptech Solutions’ Director, cited statistics showing human error causes more than 80% of data centre outages when a staff member or service provider accidentally disconnects equipment. Therefore, recommendations focused on limiting physical access to the data centre to reduce the possibility of inadvertent disconnection caused by human error.



“Over 80% of data centre outages are because of human error. To prevent this, we needed to reduce physical access to the data centre by both staff and vendors. We chose Tripp Lite because of the ability to monitor all devices from a single dashboard.”

Robert Yawe

The Tripp Lite Solution

Synapttech selected a number of Tripp Lite solutions to provide the client with dependable backup power, power distribution, and remote monitoring and management capabilities. They also installed secure rack storage, along with cooling units to help prevent shutdowns due to overheating. The Tripp Lite products included:

Backup Power

[SVT20KX](#) – SmartOnline® 20kVA 3-Phase Double-Conversion UPS

[SU6000RT4U](#) – SmartOnline 6kVA Single-Phase Double-Conversion UPS

[WEBCARDLX](#) – Web Management Accessory Card

Power Distribution Units

[PDUMV32HVNETLX](#) – 7.4kW Single-Phase Switched PDU

[PDUMH20HVATNET](#) – 3.2-3.8kW Single-Phase ATS/Switched PDU

KVM Switches/Console Server

[B021-000-17](#) – 1U Rack-Mount Console with 19 in. LCD

[B022-U08-IP](#) – NetDirector® 8-Port 1U Rack-Mount IP KVM Switch

[B097-016](#) – 16-Port Console Server with 2 USB Ports, Dual GbE NIC, 4 Gb Flash

Racks

[SR42UBKD](#) – SmartRack® 42U Standard-Depth Rack Enclosure Kit

Cooling

[SRCOOL33K](#) – SmartRack Row-Based Server Rack Cooling Unit

[SRCOOL12K](#) – SmartRack Portable Server Rack Cooling Unit

[SRCOOLNET](#) – SNMP Webcard Interface Module

Power Inverters

[APSX6048VRNET](#) – 6000W 208/230V Inverter with Pure Sine Wave Output, AVR

[SNMPWEBSOLOHV](#) – Network Management Accessory Card



Results

To fulfill the goal of limiting physical access to the data centre as much as possible, Synapttech Solutions recommended all active components have remote monitoring and management capabilities.

Backup power for the new data centre incorporated both single-phase and 3-phase UPS systems to keep devices operating until generators take over. The UPS systems were installed with Tripp Lite's WEBCARDLX Web Management Accessory Card for Java-free remote access via an SNMP network, web browser, SSH or Telnet. The installation also included switched PDUs, giving the client individual outlet monitoring and control, along with the ability to reboot equipment remotely without the need to enter the data centre physically.

The Tripp Lite solutions provided the client's IT staff with total visibility of the infrastructure from a single dashboard through built-in PowerAlert® software, while also allowing for the reporting they needed to manage equipment proactively. Configuration interfaces that are similar across product types reduced training needs and enabled the client to get up to speed quickly, saving time and money.

Complementing the power backup and distribution solutions, the installation also incorporated Tripp Lite cooling units. These units provide close-coupled air conditioning to help prevent overheating that could cause data centre equipment to shut down. By adding backup power to the cooling units, the insurance company's data centre can run longer with cooling maintained even if both the mains and generator power are down.

Learn more about Tripp Lite solutions at www.tripplite.com.

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