

CommScope helps Taiwan hospital store and share clinical documentation

Customer

MacKay Memorial Hospital

Country

Taiwan

Challenge

MacKay Memorial Hospital in Taipei is one of the largest medical centers in Taiwan. Founded in 1912, it has five campuses, including a children's hospital. Administrators wanted to upgrade the facility's data center to manage patient and other documentation and allow departments to access digital records quickly.

They tapped CommScope to deploy advanced data center infrastructure cabling and management solutions, but budget and rack capacity constraints necessitated using an interconnect architecture. Until they contacted CommScope, administrators at the hospital had a difficult time finding the right network infrastructure solution that would support their requirements.

CommScope solution

After evaluating several options, a decision was made at the 938-bed hospital to



choose CommScope Solutions SYSTIMAX® portfolio. SYSTIMAX is a robust, high performance and cost effective copper and fiber structured cabling solution. imVision, an AIM (Automated Infrastructure Management) Standards COMPLIANT Management System that provides a holistic view of how the infrastructure and assets are utilized, was also implemented. Hung Yui Information Co. Ltd, a CommScope PartnerPRO® Network provider in Taiwan, was selected as their DC Structured Cabling partner.

The hospital chose to implement SYSTIMAX imVision AIM Solution in phases. Under Phase One, SYSTIMAX 360 intelligent-Ready copper panels was installed, instead of full intelligent panels due to operational requirements. CommScope's intelligent-Ready panels offer optimal flexibility in network design as administrators can upgrade to intelligent panels without affecting network connectivity.

In Phase Two, MacKay Memorial Hospital administrators upgraded the intelligent-Ready infrastructure to full intelligent with

help from Quantasys Enterprise Co. Ltd., a CommScope PartnerPRO Network provider in Taipei. The company also provided software implementation and maintenance services.

“CommScope’s high-quality cabling infrastructure solutions deliver stability and reliability, both of which are critical for managing patient documentation and other digital hospital records. We’re not only impressed with the infrastructure upgrade, but also with CommScope as a partner.”

— Jin-Sheng Tang, Chief Superintendent’s Office & FYI
MacKay Memorial Hospital

Next-generation infrastructure management

The imVision AIM solution provides network administrators with real-time visibility and control of the network physical layer, giving several significant benefits.

For example, imVision can reduce network downtime as it keeps a watchful eye on the entire network and documents the insertion

and removal of patch cords, providing an extra layer of security against unauthorized tampering with the physical infrastructure.

Furthermore, with LIVE end-to-end physical layer circuit trace added along network IP information and an easy-to-use web-based dashboard, administrators can see, know and control every aspect of the infrastructure in real time, thereby increasing IT administrators’ productivity. Whether it is implementing changes such as adding new servers, tracking down a stranded switch port, or troubleshooting a connectivity issue, imVision AIM solution can diagnose in minutes what used to take days.

imVision supports cross-connect and interconnect architecture, giving administrators at the hospital, advanced technology solutions that will meet the needs of today while providing the foundation for future expansion. This flexibility allows a network that starts out using interconnect to migrate to cross-connect—when and if it’s needed—without having to replace existing cabling infrastructure.

Ready for the future

Following the success of this project, MacKay Memorial Hospital plans to deploy CommScope’s data center infrastructure cabling and management solutions at the remaining four campuses.

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