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Project Manager, Lac Viet

Lac Viet Computing Corporation Sees a Clear Advantage in CommScope® at its Ho Chi Minh City Headquarters

Leading Vietnamese IT company uses CommScope's advanced patching system with SYSTIMAX GigaSPEED® XL and LazrSPEED® connectivity

Network infrastructure in Lac Viet's new HQ is a technology showpiece with an advanced patching solution that makes important operational savings. The VisiPatch 360 Solution, in combination with SYSTIMAX fiber and copper connectivity, also delivers industry-leading reliability and end-to-end performance.



Lac Viet, one of Vietnam's leading IT companies, provides total computing solutions that can include everything from software and hardware to training and content management. Since it was founded in 1994, the company has built a reputation for providing efficient, high performance systems across all sectors of business and government. So, when it planned its new headquarters in the Phu Nhuan district of Ho Chi Minh City, Lac Viet wanted this to be a showpiece for the world's best technology.

The company naturally turned to its own business partners to supply systems for the 10-floor, 3,000 square meter building. CommScope was chosen to provide the network infrastructure essential for fast, reliable information flow around the open plan office areas.

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CommScope's SYSTIMAX GigaSPEED XL copper cabling solution was chosen for horizontal connections, giving transmission speeds of 1 Gb/s to the desktop. This solution was also used to support access control, CCTV and Voice Over IP systems.

"With the GigaSPEED XL Solution, we can be sure the performance of our network physical layer will meet the full specifications of the Category 6 cabling standard," said Tran Dung. "It is the preferred option where high bandwidth and reliability are vital – and it is backed by the industry-leading SYSTIMAX warranty and support services."

The GigaSPEED XL horizontal infrastructure in work areas is connected via communications rooms equipped with the advanced VisiPatch 360 patching hardware. This provides an elegant solution to the problem of "patch cord spaghetti" that clutters traditional patch panels and makes working with them more difficult and error prone.

With its innovative reverse connectors, the VisiPatch 360 Solution ensures that port labeling can be clearly seen, so the technicians' job becomes much easier. Moves, adds and changes can be completed more quickly with less risk of a wrong connection.

"The system makes communications rooms look much neater and more sophisticated – and we are proud to be the first to use it in Vietnam," said Tran Dung. "Traditional patch panels seem very primitive next to the VisiPatch 360 System, but the most important thing about the system is that it saves time, management cost and space."

Integrated horizontal and vertical cable and patch cord management help increase the connection density, and the whole system is modular, scalable and flexible. The cost per port is lower than traditional systems using RJ45 connectors, and transmission performance of the VisiPatch 360 Solution is the best in its class.

The patch panels in communications rooms are linked to servers and storage in the building's datacenter via LazrSPEED 300 multimode fiber connections. These can support data transmission at 10 Gb/s over distances of 300 meters without need for expensive electronics. More than 220 meters of this OM3 standard backbone cabling was installed together with SYSTIMAX 600G2 fiber optic connector shelves.

Over the four-month installation project, Lac Viet deployed three installation teams, each with between two and six members. Together they installed 374 two-port outlets in the work areas and connected these via 35 kilometers of GigaSPEED XL cabling.

The installers routed horizontal cables either above the ceiling, dropping down to desk-mounted outlets, or under the floor with floor-mounted outlets. The number of connections installed gives the cabling infrastructure 20 percent redundancy to cope with unforeseen disruptions.

Commenting on the completed installation, Dr. Ispran Kandasamy, Vice President and Managing Director Asia Pacific, CommScope Enterprise Solutions said: "Lac Viet has used its own cabling infrastructure to demonstrate the performance and cost saving potential of the latest generation of solutions. Among these, the VisiPatch 360 Solution is a breakthrough for patch connection management, and customers only have to see it to appreciate its benefits."

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