

Multiple Wireless and Wired Services Converge Seamlessly in New Malls Across Asia

Aeon Mall chooses Allied Telesis powerful converged network solutions, and high performing customer Wi-Fi, for brand new shopping malls.

Customer: Aeon Mall - Binn Tan, Jakarta, Sen Sok City

Industry: Retail

Location: Asia

Challenge

Aeon is Japan's single-largest shopping mall developer and operator, and the largest retailer in Asia. The Aeon group is a retail network with over 300 consolidated subsidiaries and affiliated companies, ranging from convenience stores and supermarkets to shopping malls and specialty stores.

In 2015, Aeon Mall Vietnam opened Aeon Mall Long Bien in Hanoi. This ambitious development featured amenities including dining, a huge variety of retail stores, and entertainment for all ages with cinema, karaoke and leisure facilities.

The network requirements were stringent. The mall needed a high-performing and failure-resistant wired network that would be secure, easy to use, and capable of handling multiple converged IT systems, including video surveillance, building management, visitor counters, digital signage, parking, and much more. The mall also wanted to provide free Internet access for visitors using their mobile devices, enabling seamless connectivity via a new wireless network.

Aeon Mall Long Bien needed a high-performing and failure-resistant solution—and they found it, with Allied Telesis advanced products and services.

In fact, the new network was such a success that Aeon selected Allied Telesis to design and implement high-performance converged networks in several other large, brand-new malls across Asia:

- ▶ Aeon Mall Binh Tan, in Ho Chi Minh, Vietnam
- ▶ Aeon Mall Jakarta Garden City (JGC), in Jakarta, Indonesia
- ▶ Aeon Mall Sen Sok City, in Cambodia

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Allied Telesis products are highly reliable, offer excellent cost performance, and come highly recommended from a large number of global companies, including other high-end malls. We made our evaluation based on the superior network design and excellent technical support.”

Information Technology Team

Aeon Mall Indonesia

Solution

Allied Telesis engineers designed the new networks, installed and configured devices, and tested the complete solution. Sales representatives and engineers worked onsite at the malls before, during and after the opening, providing guidance and support.

The new Aeon Malls now have high-performing new networks, which feature advanced Layer 3 switches, such as the x610 and x510 Series, in the core. These core switches use Virtual Chassis Stacking (VCStack™) to create a single virtual device out of multiple units, for a powerful design with no single point of failure. The resilient network core guarantees uninterrupted access to the many converged online systems and video surveillance streams.

Allied Telesis edge switches feature Power over Ethernet Plus (PoE+) to connect and power TQ4600 Enterprise-class wireless access points, IP security cameras, and other end-points. Link aggregation ensures resilient connectivity from the network edge back to the core.

AR4050S UTM Firewalls provide secure Internet connectivity and simple management of application usage, as well as threat protection against external intrusion.

Success

Aeon Mall now has brand new, resilient and high-performing networks in each of its new malls in Asia. The Allied Telesis solutions provide seamless wireless coverage throughout each entire complex, providing visitors with excellent Internet access from their mobile devices.

The multiple systems converged on the new network run smoothly with no connectivity issues or downtime at any location. Aeon Mall enjoys secure and easy-to-manage new networks, which easily handle the data traffic from their IT systems and security cameras. With cutting-edge technology supporting easy parking, digital signage, visitor information, and customer safety, Aeon Mall is providing an outstanding visitor experience.



“We experienced no issues installing the Allied Telesis products, and the new network construction was completed smoothly. Allied Telesis has gained our complete trust and appreciation.”

Information Technology Team

Aeon Mall Indonesia

Aeon Mall has a philosophy of putting the customer first, and their new retail and entertainment destinations will contribute to the local economy and community life. Aeon Mall has already decided to construct many more new malls in Southeast Asia, and plans to continue to use the highly-reliable solutions, products and services that Allied Telesis provides.

Allied Telesis looks forward to continuing to support the company in the future.