Wireless Controllers

AUTONOMOUS WAVE CONTROL (AWC)

Allied Telesis AWC is an advanced network technology that utilizes Artificial Intelligence (AI) to deliver significant improvements in wireless network connectivity and performance while reducing deployment and operating costs. AWC regularly analyses coverage gaps and Access Point (AP) interference, and automatically optimizes the Wi-Fi network to deliver a high-quality user experience that responds to network configuration changes, and bandwidth demands from wireless devices.

No Compromise Wi-Fi

Commonly used multi-channel wireless APs offer high throughout, but complex deployment and radio interference can reduce overall effectiveness. Single-channel wireless networks provide reliable roaming, but less throughput.

Our world-first hybrid Wi-Fi solution enables multi-channel and single-channel wireless connectivity on the same APs for maximum performance where you need it, and seamless roaming for critical applications. Unified management of the hybrid APs by AWC enables self-optimization of the entire wireless network with no administrator input.

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Centrally manage an innovative Allied Telesis wireless solution with the AWC plug-in for Vista Manager EX, our single-pane-of-glass graphical network management tool. Or for smaller networks, AWC-Lite is built right into the Device GUI that runs on a number of our switches, firewalls, and routers.

Enjoy the power of AWC for industry-leading Wi-Fi optimization, automation, and performance.

AWC-CB Channel Blanket

AWC Channel Blanket utilizes the same radio channel for all access points, forcing the wireless controller to manage overlapping and interfering channels. The use of a single channel minimizes the access point placement issues and implements a roaming free network. The clients are always connected to the same virtual access point independently from the physical access point.

AWC-SC Smart Connect

AWC Smart Connect takes wireless automation to another level, with simple plug-and-play deployment requiring only a power connection to grow your wireless network. Our advanced APs communicate with each other wirelessly for optimal throughput back to the wired network.

AWC-SCL Smart Cluster

AWC Smart Cluster provides a controller-less wireless network with up to five Access Points. AWC Smart Cluster uses single-channel technology to minimize the installation effort and avoid the time required for an accurate cell planning. This smart cluster technology is available exclusively on our TQ1402 model.

Visualize AP deployment with wireless floor and heat maps