



# Empowering Efficient, Safe and Reliable Warehouse Operations

## Company Overview

For over 35 years, Allied Telesis has been delivering reliable, intelligent connectivity for everything from enterprise organizations to complex, critical infrastructure projects around the globe.

Allied Telesis helps IT managers implement a secure and scalable smart wired and wireless infrastructure that ensures operational continuity, process optimization, and cost reduction, making logistics operations faster, more efficient, and more secure.

## Target Customers

- Logistics
- Manufacturing
- Retail
- Shopping Malls
- Agriculture

### Customers' pains

Reliability/Uptime across the entire premise

WiFi access points are installed in hard-to-reach areas, requiring specialized equipment and causing potential downtime for maintenance

Wired and wireless operational management

Storage needs can change quickly, so the network must adapt just as fast

Discover new devices and locate equipment within the warehouse

Protect stocks and control access

Cybersecurity threats

### How Allied Telesis addresses them

Channel Blanket is a single-channel WiFi solution that enables the implementation of a large number of Access Points, without interference, improving coverage and reliability. It resolves connected devices roaming issues and ensures consistent network performance, regardless of warehouse occupancy.

High-quality HW with low defect rates. Specialized indoor and outdoor APs feature redundant cable connections for added protection against outages. With Channel Blanket's high AP density, neighboring APs can cover any area if one fails, ensuring reliable service until repairs are convenient.

The Vista Manager platform simplifies wired and wireless network management by integrating Autonomous Wave Controller (AWC) and AMF Plus. AWC provides radio and channel configuration, optimization, and analytics, ensuring minimal downtime through redundancy features.

AMF Plus enables auto-provisioning, auto-recovery, auto-backup, and upgrades, simplifying operation of both wired devices (routers, switches) and wireless access points.

It is available on switches, routers, as an appliance, or a virtual machine.

Smart Connect is a mesh-like technology that automatically extends Channel Blanket coverage. An AP only needs power and to be within range of the network to expand coverage. For remote locations, the controller can connect APs via VPN or even 5G, with Allied Telesis offering the necessary routers for seamless integration.

AWC continuously monitors performances, adapting channels and transmission power to minimize interference and maximize coverage

Vista Manager discovers new devices once added to the network, and a Vector Based Location Detection technology traces Wi-Fi position within the buildings and locate devices with Wi-Fi interface

PoE-capable switches are available to power and connect surveillance cameras and access control devices, providing physical security solutions to protect assets and inventory within warehouses and secure outdoor areas.

AMF Security (AMF-Sec) provides powerful security capabilities, working with your firewall to instantly block wired or wireless devices with anomalous behavior.

## Key Differentiators

- 1 Channel Blanket is a single-channel WiFi solution that allows the installation of a larger number of Access Points without co-interference problems. This solution also solves roaming issues that some scanners and automated robots might exhibit.
- 2 The controller is not in the traffic path, so the wireless network, including Channel Blanket, continues functioning seamlessly even if the controller is unavailable. While monitoring and configuration are paused during downtime, WiFi traffic is handled directly at the AP port, ensuring uninterrupted performance.
- 3 Cost-control benefits through infrastructure designed for longevity and a single-pane-of-glass management system.
- 4 Unified Operating System and industry-standard CLI on industrial and enterprise-grade devices permit unified configuration and avoid interoperability issues.
- 5 Network automation capabilities streamline operations and reduce ongoing expenses.



Rev B