



Case Study: Carla's Pasta

The Challenge

- Large warehouse/production facility (150,000 square feet)
- Wireless network necessary for warehouse operations
- Large, metal equipment that can block Wi-Fi signal
- Multiple walls in the facility
- Moving inventory from one location to another

Site Overview

This 150,000 square foot manufacturing and warehouse building was constructed of cinder blocks and bricks. It's a one story building, including an office overlooking the production floor.

Background

Although Carla's Pasta has a state-of-the-art production facility, they have never had a wireless system to aid in production, quality and assurance issues.

The integrator searched and found Bountiful® Wi-Fi to be the **best value for full coverage**.

Result

According to the integrator, Bountiful® Wi-Fi has **best-of-breed products**. The integrator has a history of selling top quality products, and considers Bountiful® Wi-Fi a valuable asset to his company's brand.

Since the installation, the **BWRACWALL series** access controller has run flawlessly. Carla's Pasta was delighted to have a solution that does the job so well.

The integrator's favorite aspect of the **BWRACWALL series** access controller is the integral feature set. **Total flexibility** is a key in the IT industry, as requirements are always changing.

Solution

Bountiful® Wi-Fi's powerful **BWLWAPG1000 series** wireless access points provide a signal that is 2 to 4 times more powerful than that of the competition, allowing for a quicker, less costly and simpler installation process. The multi-faceted Bountiful® Wi-Fi access controller, **BWRACWALL series**, provided an opportunity for Carla's Pasta to implement a facility-wide Wi-Fi system to use with their military-grade notebook computers. The wireless network allows for:

- *Going everywhere* and *testing everything* from water temperature to shipping inventory.
- *Transmitting information* back to a central database in the production manager's office.
- *Protection of the network* using secure wireless network access.
- *Uninterrupted wireless signal*, despite electro-magnetic and radio frequency interference.
- *Seamless roaming* for the whole wireless network.

Implementation

The integrator put the **BWRACWALL series** access controller in the supervisor's office near one **BWLWAPG1000 series** wireless access point. Because the building is only one story and reaching upper floors was not necessary, he attached a 7 dBi antenna (**BWANT-7**) to the access point to give it greater horizontal range.

With one **BWLWAPG1000** lightweight access point, ¾ of the warehouse obtained superior wireless coverage. An additional **BWLWAPG1000** wireless access point with a **BWANT-7** antenna was placed in the packing and shipping area.

Comparison

Competitor	Price	Quantity	Total
521 wireless express AP	\$280	4	\$1,120
2106 WLAN Controller	\$2100	1	\$2,100
Total			\$3,220
Bountiful® Wi-Fi	Price	Quantity	Total
BWLWAPG1000	\$289.00	2	\$578
BWRACWALL-6	\$899.19	1	\$899.19
Total			\$1,477.19*

*further discounts for [VARSense®](#) members

We can see in the table to the left that Bountiful® Wi-Fi beats other wireless networking equipment manufacturers. In this instance, there was a **cost savings of \$1,742.81, with additional savings on cabling costs which would be needed using the competitor's product**. The competitor's system would have cost **more than double the Bountiful® Wi-Fi system**.

While each had the feature set to do what Carla's Pasta needed, the clear winner was Bountiful® Wi-Fi with a **savings of 118%**.