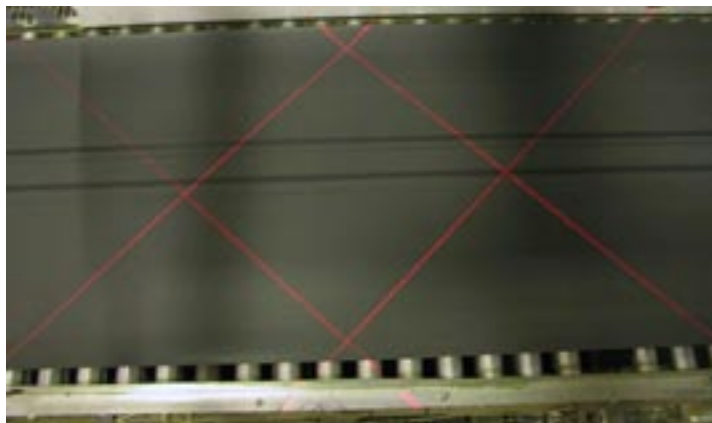


# ACCU-SORT®

Superior Read Rate, Ethernet TCP/IP coupled with WiFi make AXIOM™ the clear choice



**Flexible Connectivity**—Allows for seamless integration. Four AXIOM readers easily interface together via WiFi functionality by using a wireless router.

**Easy setup / configuration**—AXCESS software allows quick setup of the AXIOM readers without any on-site service, saving time and money.

*“I mounted and configured the entire system by myself. By using a wireless router there was no need to run Ethernet cabling to the scan point. Now I can dial into the system from anywhere in the building, using my WiFi laptop, and obtain system performance.”*

—Industry Customer

## Background

A national retail chain wanted to replace existing, non Accu-Sort, bar code scanning equipment because of continuing low read rates and poor overall performance.

## Challenges

The application presented three challenges. First, the low read rate problem needed to be solved. Second, the customer wanted to integrate Ethernet TCP/IP into their existing network. Lastly, they did not want the added expense of running CAT-5 cable to the scanning array's location.

## Accu-Sort Solution

An AXIOM scanning array was the recommended solution. AXIOM provides the desired read rate improvement and also includes integrated on-board Ethernet TCP/IP. Because of this, a four-headed AXIOM 4L (4 laser per reader) redundant solution was chosen.

The four AXIOM readers create omni-directional coverage for a 36" wide conveyor belt and a 32" depth of field. Overall read rates of 99.4% were achieved, versus 80% using the previously installed equipment.

The AXIOM readers were configured in a controller/client/client/client configuration. The controller AXIOM uses a wireless router to transmit data to a WMS computer via Ethernet TCP/IP, while the serial port sends data to the PLC.

For more information about auto-ID and material handling solutions from Accu-Sort Systems, contact us at:

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**Image Captions:** (TOP LEFT) Four AXIOMs provide omni-directional scanning. WiFi device is visible center of photo. (TOP RIGHT) Dual "X" scanning pattern. (LEFT, BELOW) Scanning array mounting.

