

Why Wi-Fi?

Supply chains have become increasingly complex with globalization, outsourcing, and multi-partner collaborations. The days are gone when products traveled a straight path from supplier to end user. As a result, today's supply chain managers are faced with limited visibility and insufficient control over their products as they traverse increasingly complex supply chains.

Both passive RFID as well as a variety of proprietary asset tracking systems have arisen to meet these challenges, but they require users to install expensive new hardware and deal with backend software integration at multiple locations. Further, supply chain visibility is still limited unless users can persuade all of their partners and customers to invest in the same system.

The Wi-Fi Solution

Wi-Fi has emerged as the worldwide standard for wireless Internet access in the enterprise. The IEEE 802.11 (Wi-Fi) standard eliminates the expense and complexity of RFID-based or proprietary systems, enabling a supply chain solution that leverages existing technologies and infrastructure. Wi-Fi is installed in warehouses, distribution centers, loading docks, delivery trucks and even airport tarmacs. The 2.4GHz Wi-Fi frequency band has been approved around the world, and the standard has evolved to provide easy access, high performance and reliable security.

Why G2 Microsystems?

The G2 Microsystems Wi-Fi Asset Tracking System leverages industry-standard technology and the expertise of two partners who are at the top of their respective fields: Cisco Systems® and SAP®. With 65% market share, Cisco is the recognized leader in enterprise networking installations and security, while SAP is the acknowledged leader in collaborative business solutions for all types of industries.

Flow of Asset Information



G2 Capture: The G2 ultra low-power Wi-Fi Asset Tag captures asset conditions and location.



Cisco Systems Transport: Data is securely transported via the Cisco Unified Wireless Network.



SAP Respond: SAP Event Management orchestrates a response and semi-automatic process adjustments.

