

Cisco Connected Factory – Wireless

Turn your shop floor into a connected communications hub

What is the value of having real-time visibility into the entire factory floor? You can respond in real time and resolve equipment issues before they become real problems. Use collaboration tools like Cisco WebEx® and Cisco Spark™ to troubleshoot with machinery experts even when they're not in the factory. Gain flexibility as you change your production lines or adapt to new product rollouts.

Connecting your plant floor to your business systems, supply chains, and production managers can mean the difference between downtime and uptime. Wireless connectivity is an essential component in creating a connected factory. But maintaining consistent, secure Wi-Fi coverage on the factory floor has been a challenge – until now.

Part of the Cisco® Internet of Things (IoT) solution offerings, Cisco Connected Factory – Wireless delivers secure, flexible, connectivity for mobile applications on the plant floor. It makes connecting your machines, databases, and people not only possible, but efficient, helping you achieve greater quality, speed, and cost savings.

Benefits

- **Accelerate decision making and increase uptime** by connecting machines and people located throughout the plant.
- **Increase productivity** by tracking assets wirelessly and enabling use of wireless tools.
- **Reduce IT operational costs and complexity** with a unified, easy-to-manage, and secure wireless infrastructure.
- **Increase visibility** into production processes to increase uptime and improve troubleshooting.
- **Create a secure factory** with end-to-end security built into the network, providing multiple layers of protection.
- **Leverage Cisco wireless** and PTT phone technology to reach workers anywhere on the factory floor

Accelerate your ROI

Accelerate your transition to a more secure, reliable, connected factory wireless environment with services that help you plan, build, and manage your solution. From strategy through execution, Cisco Services help you realize more value from your solution by continually aligning business outcomes to your connected factory business goals. We provide comprehensive consulting services and combine our leading networking expertise with our technology partners' specialized industry expertise to help you get greater value from your business transformation.

The following services cover the complete solution lifecycle:

- Advisory
- Implementation
- Optimization
- Training

Next steps

For more information about Cisco Connected Factory – Wireless, please visit www.cisco.com/go/factorywireless.

[Design and Implementation Guide for Deploying 802.11 Wireless LAN Technology Within a Converged Plantwide Ethernet Architecture.](#)

How it works

Cisco Connected Factory – Wireless is a part of Cisco Connected Factory, a comprehensive portfolio of technologies and services that help you connect factory systems to business applications. It empowers you to unify your IT and operations networks for smooth connections and data flow between the factory floor and the business office.

Cisco Connected Factory – Wireless creates a new level of communication flexibility between things, machines, data, and people located across your entire organization. Here's what it enables:

- **Faster project completion** time with use of wireless equipment such as wireless torque tools wherever they're needed
- **Plant and control room mobility** so managers and workers can troubleshoot from anywhere, at any time
- **Support for industrial global applications** ranging from Automated Guided Vehicles (AGVs) with plantwide nomadic roaming to Wi-Fi asset tags that deliver fast access to production assets and inventory, and mobile HD video cameras that enable more effective troubleshooting
- **Secure worker mobility** with IP phones and smartphones to access information and collaborate securely with other workers and partners internally or externally

Breakthrough technology for manufacturers at all stages

Cisco Connected Factory – Wireless offers great benefits to manufacturers, regardless of your level of wireless technology adoption:

- **If you have no wireless technology**, Cisco Connected Factory – Wireless can be a game changer, delivering more efficient controls, and greater flexibility securely.
- **If you have limited wireless capabilities**, you'll find that early wireless technology was not fully mature. Today's wireless technology is much more robust, resilient, and secure. It's also fully integrated into a single, unified network to improve network uptime, and lower deployment and operation costs.
- **If you are building new or retrofitting existing factories**, Cisco Connected Factory – Wireless offers prevalidated, tested designs to jump-start the process.

Cisco Connected Factory – Wireless products include:

- Cisco Aironet® 2602e and 3602e Access Points (wireless)
- Cisco 5508 Wireless Controller(for LAN)
- Rockwell Stratix 5100 Series Wireless Access Points (WGB only)
- Meraki Cloud based wireless access points
- Additional unique products with partners like Emerson to support Wireless HART and wireless Industrial Ethernet from the same box