

Build Wi-Fi Connectivity Into Your Machines Effortlessly



The AWK-1137C wireless client provides reliable Wi-Fi connectivity for your machines

Machine builders and system integrators are often looking for compact and rugged Wi-Fi devices that they can integrate into their machines for stable and reliable operation. The AWK-1137C wireless client is tailor-made for machine builders who need to add reliable Wi-Fi connectivity for a variety of industrial applications.



Easy Installation and Integration

- Palm-sized form factor minimizes the installation space required
- Ethernet and serial interfaces to connect end devices
- DIN-rail mounting and wall-mounting options provide flexibility during installation



Seamless Wi-Fi Mobility

- 150 millisecond handoff between APs
- 9 to 30 VDC wide power input range for stable power draw from an onboard battery
- Stable operation of Wi-Fi devices in an environment with constant vibration



Easy Wi-Fi Network Deployment

- One-step setup for multiple devices
- One-click optimization of Wi-Fi channels
- Zero configuration needed to add new Wi-Fi devices into existing networks

The Wi-Fi Device That Meets Your Diverse Communication Requirements

Food and Beverage Warehouses

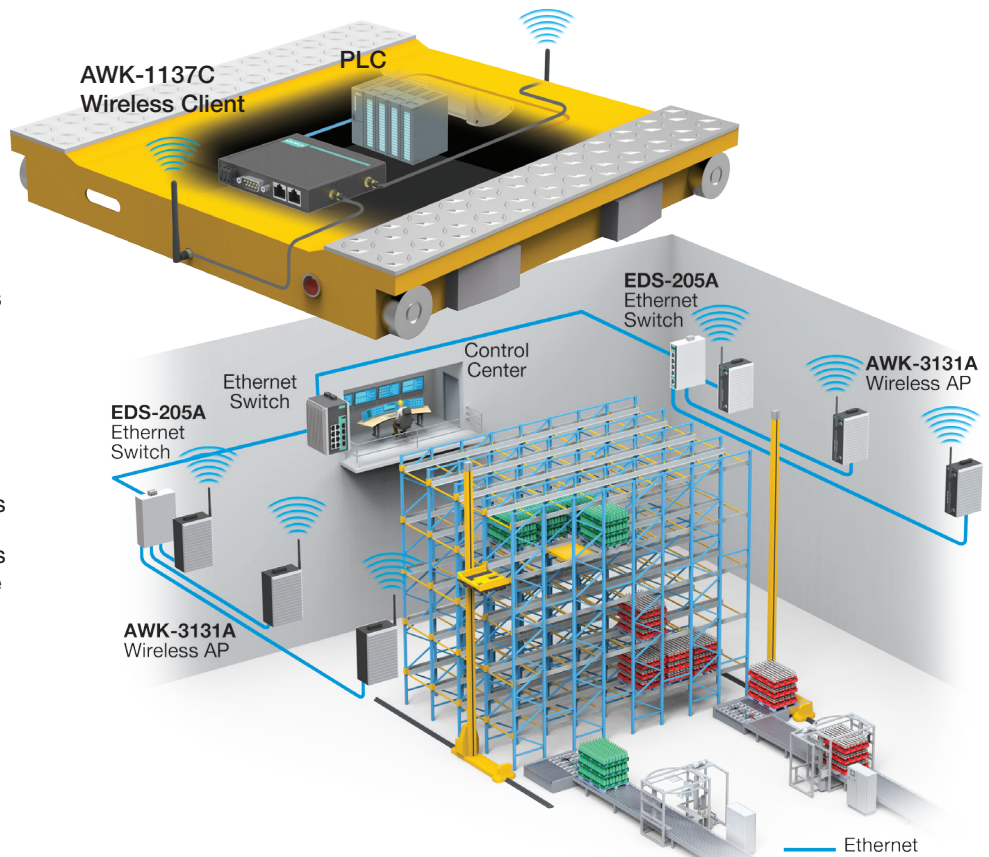
Automated storage and retrieval systems (AS/RS) are deployed in warehouses that store food and beverages to increase operational efficiency. Operators in the control center need information on the location and status of the shuttle systems to prevent accidents and ensure smooth operations. A reliable Wi-Fi network is needed for transmitting location and status information of the AS/RS shuttles to the control center in real time.

System Requirements

- Devices that fit in space-constrained shuttle systems
- Build a Wi-Fi network that can provide seamless connectivity for shuttle systems
- Ability to operate in the extreme low temperatures of cold storage warehouses
- Operation stability in continuously mobile environments

Why Choose Moxa's AWK-1137C?

- Easy-to-install Wi-Fi device with a compact size that fits inside the shuttles
- Seamless movement of the shuttle systems made possible by fast 150 millisecond handoff times
- Operation stability even at temperatures as low as -40°C
- Certified as per the IEC 60068-2-6 standard for protection against vibration



Package-Sorting Robots

Package-sorting robots are used in logistics warehouses to increase the efficiency of the picking and sorting process so that the goods can be delivered to customers in the shortest possible time. You can install Wi-Fi devices into each robot, allowing them to receive instructions from the control center and to transmit location and status information back to the control center, making it easy for operators to manage the robots.

System Requirements

- Devices that can be installed in the limited space available inside robots
- Fast roaming ability to ensure seamless operation of mobile equipment
- High device reliability to ensure stable data transmission
- Easy and fast configuration of Wi-Fi network settings and channel optimization to ensure an optimal connection

Why Choose Moxa's AWK-1137C?

- Compact device that fits inside robots
- 150 millisecond handoff time between APs for seamless operation of robots
- 9 to 30 VDC wide power input range ensures stable voltage supply from onboard batteries
- AeroMag technology for easy and error-free configuration of basic device settings and optimal channel selection

