

# Industrial and Outdoor Wireless Access Points Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

## IT AND OT SUPPLIERS CONVERGE IN THE DYNAMIC WIRELESS SPACE

Wireless communications play an important role in connectivity-driven digital transformation architectures. Customers and solution providers look to wireless to meet escalating requirements for connecting mobile, remote, and rotating assets as well as inaccessible data from a growing number of connected sensors and devices. Industrial and outdoor wireless access points (WAPs) allow Wi-Fi client devices to connect to a wireline, typically Ethernet, industrial network.

The value proposition for wireless technology is increasing with the new Wi-Fi 6 standard and pending 5G introduction both promising step increases in reliability, speed, bandwidth, latency, and security.

Both industrial and outdoor WAPs are increasingly incorporated in digital transformation architectures at the IT and enterprise levels. Wireless applications on the OT side tend to be more solution-specific due to the primary requirement for reliable transmission.

Use of wireless is always driven by the requirements of the installation, but IT suppliers are bringing their wireless solutions under the umbrella of their pervasive infrastructure strategies. This includes industrial IoT-related capabilities in areas like cloud management, SDWAN capabilities, AI, and edge computing.

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## STRATEGIC ISSUES

Current and prospective buyers of Wi-Fi infrastructure components are faced with making purchase decisions during a dynamic time in the wireless market.

- What role does wireless play in the portfolios of different providers?
- What is the timeline for Wi-Fi 6 and 5G adoption, and how will they impact the marketplace?
- What strategic options are available now to leverage the increasing importance of wireless applications?

## RESEARCH FORMATS

This research is available as a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

## RESEARCH FOCUS AREAS

### STRATEGIC ANALYSIS

Major Trends  
Regional and Industry Trends  
Strategic Recommendations

### COMPETITIVE ANALYSIS

Market Shares of the Leading Suppliers  
Market Shares by Region  
North America  
Europe, Middle East, Africa  
Asia  
Latin America  
Market Shares by Industry  
Automotive  
Buildings  
Electric Power Generation  
Electric Power T&D  
Food & Beverage  
Machinery  
Mining  
Oil & Gas  
Security & Surveillance  
Transportation  
Water & Wastewater  
Market Shares by Latest Wi-Fi Standard Supported  
Wi-Fi 4 (IEEE 802.11 a/b/g/n)  
Wi-Fi 5 (IEEE 802.11ac)  
Wi-Fi 6 (IEEE 802.11ax)  
Market Shares by Form Factor  
DIN Rail  
Wall/Pole Mount

Market Shares by Hazardous Location  
Class 1 Div 2  
Market Shares by Environmental Rating  
IP 20 to 40  
IP50 to 54  
IP 65+  
Market Shares by New vs. Retrofit  
Market Shares by Fixed vs. Mobile  
Market Shares by APs vs. Accessories  
Market Shares by Revenue Category  
Market Shares by Distribution Channel  
Market Shares by Customer Type

### MARKET FORECASTS

Total Shipments of Industrial WAPs  
Shipments by Region

Shipments by Industry  
Shipments by Latest Wi-Fi Standard  
Shipments by Form Factor  
Shipments by Hazardous Location  
Shipments by Environmental Rating  
Shipments by New vs. Retrofit  
Shipments by Fixed vs. Mobile  
Shipments by APs vs. Accessories  
Shipments by Revenue Category  
Shipments by Distribution Channel  
Shipments by Customer Type

### INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

Worldwide Industrial Wireless Access Points Market

