

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.

For more information, please visit us at www.arcweb.com/market-studies/.

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

