

Distributed Antenna System (DAS) Market by Offering (Component, Services), Coverage (Indoor, Outdoor), Ownership Model, Vertical (Commercial, Public), User Facility Area, Frequency Protocol (Cellular, VHF/UHF), Network Type, Signal Sources and Region - Global Forecast to 2028

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Abstracts

The DAS market is projected to grow from USD 3 USD 9.7 billion in 2023 to USD 13.0 billion by 2028, registering a CAGR of 6.2% during the forecast period. Some of the major factors that are driving the growth of the distributed antenna system (DAS) market include growing mobile data traffic, rising demand for extended network coverage and uninterrupted connectivity, and rising construction of buildings based on modern and sustainable concepts that necessitate DAS deployments. However, the complexities involved in installing DAS will be a challenge for the market in the future. The major growth opportunities for the market players are increasing requirements for public safety connectivity and a rise in the number of commercial spaces, especially in the ASEAN region.

'Market for neutral-host ownership to grow at higher CAGR during forecast period'

The neutral-host ownership segment of the DAS market is expected to account for the largest market size and highest growth rate during the forecast period. In neutral-host models, the ownership shifts from carriers to building owners, DAS integrators, or third-party system/service providers. An independent, third-party host handles financial, legal, regulatory, and technical responsibilities, including the deployment, installation, and maintenance of the DAS system. The host who owns the system can lease system access to one or more operators. Hence, end users can benefit from a multicarrier DAS,

while the host company receives exclusive rights to the system. This model is successful for deployments at large venues, such as stadiums, malls, and airports.

'Healthcare commercial vertical held largest share of DAS market in 2023'

In terms of market size, the healthcare vertical is expected to dominate the DAS market and is likely to witness significant growth during the forecast period. Hospitals use DAS to amplify and extend the coverage of outdoor cellular signals inside hospital buildings to ensure consistent mobile service. With the adoption of telemedicine and telehealth, as well as the increasing number of devices used within hospitals, they will require more bandwidth than current Wi-Fi and DAS infrastructure can provide. At present, DAS provide significant benefits to the healthcare vertical by providing ubiquitous cellular, and public safety communication coverage.

'Asia Pacific to witness highest growth among other regions during forecast period'

Asia Pacific is expected to dominate the DAS market during the forecast period. Asia Pacific is one of the emerging markets for DAS components and services. The region has been segmented into China, India, Japan, South Korea, and Rest of Asia Pacific, which includes Australia, New Zealand, Singapore, and other Southeast Asian countries. The major drivers for the growth of the DAS market in Asia Pacific include the growing adoption of phones, rise in the number of internet users (1.2 billion users in 2021), increasing internet connectivity, growing network establishment, and rise in high bandwidth-intensive applications. According to the GSMA Mobility report 2021, the global mobile data usage in Asia Pacific was 11.5 GB per subscriber per month in 2022. The region has become a global focal point for huge investments and business expansions. Asian markets encourage the development of 5G mobile technologies, with commercial deployments already implemented in South Korea, Japan, and China and ready to be deployed in India in the next few years.

In determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key industry experts in the DAS market. The break-up of primary participants for the report has been shown below:

By company type: Tier 1 - 38 %, Tier 2 - 28%, and Tier 3 - 34%

By designation: C-Level Executives - 40%, Managers - 30%, and Others - 30%

By region: North America - 35%, Europe - 20%, Asia Pacific - 35%, and RoW - 10%

The report profiles key players in the DAS market with their respective market ranking analyses. Prominent players profiled in this report include CommScope (US), Corning (US), PBE Axell (UK), Comba Telecom Systems (China), SOLiD Technologies (US), American Tower (US), AT&T (US), Boingo Wireless (US), Dali Wireless (US), Zinwave (US), Whoop Wireless (US), HUBER+SUHNER (Switzerland), JMA Wireless (US), Advanced RF Technologies (ADRF) (US), Galtronics (Canada), Connectivity Wireless (US), Betacom (US), among others.

Research coverage

This research report categorizes the DAS market on the basis of component, product, application, vertical, and region. The report describes the major drivers, restraints, challenges, and opportunities pertaining to the DAS market and forecasts the same till 2028. Apart from these, the report also consists of leadership mapping and analysis of companies in the DAS ecosystem.

Key benefits of buying report

The report will help market leaders/new entrants with information on the closest approximations of the revenue numbers for the DAS market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the market's pulse and provides information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 DISTRIBUTED ANTENNA SYSTEM MARKET SEGMENTATION

1.3.2 GEOGRAPHIC SCOPE

1.3.3 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

1.5 LIMITATIONS

1.6 STAKEHOLDERS

1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 DISTRIBUTED ANTENNA SYSTEM MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Major secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Breakdown of primaries

2.1.3 SECONDARY & PRIMARY RESEARCH

2.1.3.1 Key industry insights

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach to capture market size from demand-side analysis

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach to capture market size from supply-side analysis

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN & DATA TRIANGULATION

FIGURE 5 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

- 2.4.1 IMPACT OF RECESSION
- 2.5 LIMITATIONS
- 2.6 RISK ASSESSMENT

3 EXECUTIVE SUMMARY

3.1 RECESSION ANALYSIS

FIGURE 6 GDP GROWTH PROJECTION TILL 2023 FOR MAJOR ECONOMIES

FIGURE 7 MARKET PROJECTIONS FOR DAS MARKET

FIGURE 8 SERVICE SEGMENT TO HOLD LARGER SHARE OF DISTRIBUTED ANTENNA SYSTEM MARKET DURING FORECAST PERIOD

FIGURE 9 INDOOR SEGMENT TO HOLD LARGER SHARE OF DISTRIBUTED ANTENNA SYSTEM MARKET IN 2028

FIGURE 10 NEUTRAL-HOST OWNERSHIP SEGMENT TO GROW AT HIGHEST CAGR FROM 2023 TO 2028

FIGURE 11 >500 K SQ. FT. SEGMENT TO HOLD LARGEST MARKET SHARE IN 2028

FIGURE 12 PUBLIC SAFETY SEGMENT TO GROW AT HIGHER CAGR FROM 2023 TO 2028

FIGURE 13 NORTH AMERICA HELD LARGEST SHARE OF DISTRIBUTED ANTENNA SYSTEM MARKET IN 2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN DISTRIBUTED ANTENNA SYSTEM MARKET

FIGURE 14 INCREASING M2M CONNECTIONS AND NUMBER OF IOT DEVICES FUELING GROWTH OF DISTRIBUTED ANTENNA SYSTEM MARKET

4.2 DISTRIBUTED ANTENNA SYSTEM MARKET, BY OFFERING

FIGURE 15 SERVICE SEGMENT HELD LARGER SHARE OF DISTRIBUTED ANTENNA SYSTEM MARKET IN 2022

4.3 NORTH AMERICA: DISTRIBUTED ANTENNA SYSTEM MARKET, BY VERTICAL AND COUNTRY

FIGURE 16 COMMERCIAL VERTICAL AND US ACCOUNTED FOR LARGEST SHARES OF NORTH AMERICAN DISTRIBUTED ANTENNA SYSTEM MARKET IN 2022

4.4 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COUNTRY (SERVICE)

FIGURE 17 INDIA TO GROW AT HIGHEST RATE IN DISTRIBUTED ANTENNA SYSTEM SERVICE MARKET DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 18 DISTRIBUTED ANTENNA SYSTEM MARKET: DYNAMICS

5.2.1 DRIVERS

FIGURE 19 DISTRIBUTED ANTENNA SYSTEM MARKET DRIVERS: IMPACT ANALYSIS

5.2.1.1 Growing mobile data traffic

FIGURE 20 RISE IN GLOBAL MOBILE DATA TRAFFIC FROM 2017 TO 2022

5.2.1.2 Rising demand for enhanced network coverage and need to eliminate connectivity gaps in buildings

5.2.1.3 Growing need for strong and reliable cellular connectivity for Internet of Things (IoT)

5.2.1.4 Growing focus on enhancing spectrum efficiency

5.2.1.5 Deployment of distributed antenna systems in buildings based on modern and sustainable concepts

5.2.2 RESTRAINTS

FIGURE 21 DISTRIBUTED ANTENNA SYSTEM MARKET RESTRAINTS: IMPACT ANALYSIS

5.2.2.1 High costs associated with DAS network deployment

5.2.2.2 Routing backhauling issue associated with DAS networks

5.2.3 OPPORTUNITIES

FIGURE 22 DISTRIBUTED ANTENNA SYSTEM MARKET OPPORTUNITIES: IMPACT ANALYSIS

5.2.3.1 Growth in requirement for public safety connectivity

5.2.3.2 Increase in commercial spaces across Association of Southeast Asian Nations (ASEAN)

5.2.3.3 Use of distributed antenna system (DAS) technology in Citizens Broadband Radio Service (CBRS)

5.2.4 CHALLENGES

FIGURE 23 DISTRIBUTED ANTENNA SYSTEM MARKET CHALLENGES: IMPACT ANALYSIS

5.2.4.1 Complexities associated with installation of DAS

FIGURE 24 INSTALLATION PROCEDURE FOR DAS OUTLINED BY BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL (BICSI)

5.2.4.2 Upgradeability issues of existing DAS networks

5.3 VALUE CHAIN ANALYSIS

FIGURE 25 VALUE CHAIN ANALYSIS: MAJOR VALUE ADDED BY WIRELESS CARRIERS AND SYSTEM INTEGRATORS

5.4 ECOSYSTEM ANALYSIS

5.5 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 26 REVENUE SHIFTS IN DISTRIBUTED ANTENNA SYSTEM MARKET

5.6 PRICING ANALYSIS

5.6.1 PRICE TREND ANALYSIS FOR DAS DEPLOYMENT

TABLE 1 PRICE OF DIFFERENT COMPONENTS OF DISTRIBUTED ANTENNA SYSTEMS

TABLE 2 DISTRIBUTED ANTENNA SYSTEM ANTENNA PRICE LIST

FIGURE 27 AVERAGE SELLING PRICE OF MAJOR COMPONENTS OF ACTIVE INDOOR DAS

FIGURE 28 AVERAGE SELLING PRICE ANALYSIS: MAJOR COMPONENTS OF PASSIVE INDOOR DAS

5.7 TECHNOLOGY ANALYSIS

5.7.1 KEY TRENDS IN DISTRIBUTED ANTENNA SYSTEM MARKET

5.7.1.1 Bring your own device (BYOD) and DAS

5.7.1.2 Citizen Broadband Radio Networks CBRS and DAS

5.7.1.3 Small cell and DAS complimenting each other

5.8 CASE STUDY ANALYSIS

5.8.1 COMMSCOPE SUPPORTS ORANGE CAMEROON TO DELIVER SEAMLESS EXPERIENCE TO SUBSCRIBERS FOR AFCON 2022

5.8.2 ACTIVE DAS DEPLOYMENT IN HONG KONG

5.8.3 MERCY HOSPITAL INSTALLED CEL-FI'S QUATRA DAS TO IMPROVE INDOOR CELLULAR CONNECTIVITY

5.8.4 HATCHER STATION HEALTH CLINIC IMPROVED INDOOR COVERAGE WITH NEW DAS SOLUTION

5.8.5 QUEEN ALIA INTERNATIONAL AIRPORT'S CELLULAR COVERAGE

5.9 PATENT ANALYSIS

FIGURE 29 TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS IN LAST 10 YEARS

TABLE 3 TOP 20 PATENT OWNERS IN LAST 10 YEARS

FIGURE 30 NUMBER OF PATENTS GRANTED PER YEAR FROM 2012 TO 2022

5.9.1 LIST OF MAJOR PATENTS

TABLE 4 LIST OF MAJOR PATENTS IN DISTRIBUTED ANTENNA SYSTEM MARKET

5.10 TRADE ANALYSIS AND TARIFF ANALYSIS

FIGURE 31 IMPORT DATA FOR HS CODE 852910, BY COUNTRY, 2017–2021 (USD THOUSAND)

FIGURE 32 EXPORT DATA FOR HS CODE 852910, BY COUNTRY, 2017–2021 (USD THOUSAND)

THOUSAND)

5.11 KEY STAKEHOLDERS & BUYING CRITERIA

5.11.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 33 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE COMMERCIAL VERTICALS

TABLE 5 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP THREE COMMERCIAL VERTICALS (%)

5.11.2 BUYING CRITERIA

FIGURE 34 KEY BUYING CRITERIA FOR TOP THREE COMMERCIAL VERTICALS

TABLE 6 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

5.12 PORTER'S FIVE FORCES ANALYSIS

FIGURE 35 PORTER'S FIVE FORCES ANALYSIS, 2022

TABLE 7 DISTRIBUTED ANTENNA SYSTEM (DAS) MARKET: PORTER'S FIVE FORCES ANALYSIS (2020)

5.12.1 INTENSITY OF COMPETITIVE RIVALRY

5.12.2 THREAT OF SUBSTITUTES

5.12.3 BARGAINING POWER OF BUYERS

5.12.4 BARGAINING POWER OF SUPPLIERS

5.12.5 THREAT OF NEW ENTRANTS

5.13 KEY CONFERENCES AND EVENTS, 2023–2024

TABLE 8 DISTRIBUTED ANTENNA SYSTEM MARKET: DETAILED LIST OF CONFERENCES AND EVENTS

5.14 REGULATORY LANDSCAPE

5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS RELATED TO DISTRIBUTED ANTENNA SYSTEMS

TABLE 9 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 10 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 11 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.14.2 STANDARDS AND REGULATIONS RELATED TO DISTRIBUTED ANTENNA SYSTEMS

TABLE 13 NORTH AMERICA: SAFETY STANDARDS FOR DISTRIBUTED ANTENNA SYSTEM MARKET

TABLE 14 EUROPE: SAFETY STANDARDS FOR DISTRIBUTED ANTENNA SYSTEM MARKET

TABLE 15 ASIA PACIFIC: SAFETY STANDARDS FOR DISTRIBUTED ANTENNA SYSTEM MARKET

TABLE 16 REST OF THE WORLD: SAFETY STANDARDS FOR DISTRIBUTED ANTENNA SYSTEM MARKET

6 DISTRIBUTED ANTENNA SYSTEM MARKET, BY OFFERING

6.1 INTRODUCTION

FIGURE 36 DISTRIBUTED ANTENNA SYSTEM MARKET, BY OFFERING

FIGURE 37 DISTRIBUTED ANTENNA SYSTEM MARKET FOR SERVICE TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

TABLE 17 DISTRIBUTED ANTENNA SYSTEM MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 18 DISTRIBUTED ANTENNA SYSTEM MARKET, BY OFFERING, 2023–2028 (USD MILLION)

6.2 COMPONENT

FIGURE 38 RADIO UNIT TO DOMINATE DISTRIBUTED ANTENNA SYSTEM MARKET DURING FORECAST PERIOD

TABLE 19 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 20 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 21 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMPONENT, 2019–2022 (THOUSAND UNITS)

TABLE 22 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMPONENT, 2023–2028 (THOUSAND UNITS)

6.2.1 ANTENNA NODES/RADIO NODES

6.2.1.1 Omnidirectional antennae and directional antennae most common types of antennae

FIGURE 39 CEILING ANTENNA SEGMENT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 23 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 24 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY TYPE, 2023–2028 (USD MILLION)

6.2.1.2 Antenna nodes/Radio nodes, by type

6.2.1.2.1 Fiberglass antenna

6.2.1.2.1.1 Ideal for use as emergency backup antennae

6.2.1.2.2 Panel antenna

6.2.1.2.2.1 Unidirectional in nature and used in conjunction with interior broadcast antennae in cell booster systems

6.2.1.2.3 Wall-mount antenna

6.2.1.2.3.1 Designed for use in indoor distributed antenna systems (iDAS) to address coverage issues in buildings

6.2.1.2.4 Ceiling antenna

6.2.1.2.4.1 Ideal for use in open-plan spaces and drop ceilings

6.2.1.2.5 Sector antenna

6.2.1.2.5.1 Ideal for creating medium-distance links

6.2.1.2.6 Others

TABLE 25 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET FOR INDOOR COVERAGE, BY TYPE, 2019–2022 (USD MILLION)

TABLE 26 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET FOR INDOOR COVERAGE, BY TYPE, 2023–2028 (USD MILLION)

TABLE 27 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 28 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY REGION, 2023–2028 (USD MILLION)

6.2.1.3 Antenna nodes/Radio nodes, by technology

6.2.1.3.1 Standalone DAS

6.2.1.3.1.1 Self-contained mini-base stations capable of functioning independently

6.2.1.3.2 Integrated antenna

6.2.1.3.2.1 Increasing demand for integrated antenna designs in 5G and related applications

TABLE 29 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY TECHNOLOGY, 2019–2022 (USD MILLION)

TABLE 30 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY TECHNOLOGY, 2023–2028 (USD MILLION)

6.2.1.4 Antenna nodes/Radio nodes, by coverage

6.2.1.4.1 Omni-directional antenna

6.2.1.4.1.1 Rising adoption of omnidirectional antennas for indoor applications to push market growth

6.2.1.4.2 Directional antenna

6.2.1.4.2.1 Consolidating trend of unified communications to fuel demand for directional antennas

TABLE 31 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY COVERAGE, 2019–2022 (USD MILLION)

TABLE 32 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY COVERAGE, 2023–2028 (USD MILLION)

6.2.1.5 Antenna nodes/Radio nodes, by configuration

6.2.1.5.1 1x1 antenna

6.2.1.5.1.1 Used for 2G/3G/4G/5G cellular and Wi-Fi 4/Wi-Fi 6 bands

6.2.1.5.2 2x2 antenna

6.2.1.5.2.1 2x2 antenna configuration used to increase communication efficiency

6.2.1.5.3 4x4 antenna

6.2.1.5.3.1 Connects to multiple input/multiple output (MIMO) streams to boost network capacity

6.2.1.5.4 Others

TABLE 33 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY CONFIGURATION, 2019–2022 (USD MILLION)

TABLE 34 ANTENNA NODES/RADIO NODES: DISTRIBUTED ANTENNA SYSTEM MARKET, BY CONFIGURATION, 2023–2028 (USD MILLION)

6.2.2 HEAD-END UNITS

6.2.2.1 Help to transport signals received by donor antenna to receiver

6.2.3 RADIO UNITS

6.2.3.1 Receive signals from head-end units and transmit them through antennas

6.2.4 BIDIRECTIONAL AMPLIFIERS (BDA)

6.2.4.1 Used to amplify downlink signals from donor sites

6.2.5 DAS/POINT-OF-INTERFACE (POI) TRAYS

6.2.5.1 Provide integrated, convenient, and single connection point when using multiple base stations with common DAS systems

6.2.6 OTHERS

6.3 SERVICE

FIGURE 40 INSTALLATION SERVICE TO DOMINATE DISTRIBUTED ANTENNA SYSTEM MARKET FOR SERVICES DURING FORECAST PERIOD

TABLE 35 DISTRIBUTED ANTENNA SYSTEM MARKET, BY SERVICE, 2019–2022 (USD MILLION)

TABLE 36 DISTRIBUTED ANTENNA SYSTEM MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 37 SERVICE: DISTRIBUTED ANTENNA SYSTEM MARKET, BY COVERAGE, 2019–2022 (USD MILLION)

TABLE 38 SERVICE: DISTRIBUTED ANTENNA SYSTEM MARKET, BY COVERAGE, 2023–2028 (USD MILLION)

TABLE 39 SERVICE: DISTRIBUTED ANTENNA SYSTEM MARKET FOR INDOOR COVERAGE, BY TYPE, 2019–2022 (USD MILLION)

TABLE 40 SERVICE: DISTRIBUTED ANTENNA SYSTEM MARKET FOR INDOOR COVERAGE, BY TYPE, 2023–2028 (USD MILLION)

6.3.1 PRE-SALES SERVICES

6.3.1.1 Pres-sales services segment accounted for second-largest share of DAS market for services in 2022

6.3.2 INSTALLATION SERVICES

6.3.2.1 Installation services segment to dominate DAS market for services during forecast period

6.3.3 POST-SALES SERVICES

6.3.3.1 Post-sales services held smallest share of DAS market for services in 2022

7 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COVERAGE

7.1 INTRODUCTION

FIGURE 41 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COVERAGE

FIGURE 42 INDOOR COVERAGE SEGMENT TO HOLD LARGER SHARE OF DISTRIBUTED ANTENNA SYSTEM MARKET DURING FORECAST PERIOD

TABLE 41 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COVERAGE, 2019–2022 (USD MILLION)

TABLE 42 DISTRIBUTED ANTENNA SYSTEM MARKET, BY COVERAGE, 2023–2028 (USD MILLION)

7.2 INDOOR

7.2.1 IDAS ACCOUNT FOR MAJORITY OF DAS DEPLOYMENT

FIGURE 43 ACTIVE SEGMENT TO HOLD LARGEST SHARE OF DISTRIBUTED ANTENNA SYSTEM MARKET FOR INDOOR COVERAGE DURING FORECAST PERIOD

TABLE 43 INDOOR COVERAGE: DISTRIBUTED ANTENNA SYSTEM MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 44 INDOOR COVERAGE: DISTRIBUTED ANTENNA SYSTEM MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 45 ACTIVE: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 46 ACTIVE: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY TYPE, 2023–2028 (USD MILLION)

7.2.2 ACTIVE

7.2.2.1 Uses active components to distribute signals

7.2.2.2 Analog

7.2.2.2.1 Improves efficiency and reliability for machinery and processes

7.2.2.3 Digital

7.2.2.3.1 Offers data security and fault tolerance

TABLE 47 ACTIVE: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY VERTICAL, 2019–2022 (USD MILLION)

TABLE 48 ACTIVE: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 49 ACTIVE: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMMERCIAL VERTICAL TYPE, 2019–2022 (USD MILLION)

TABLE 50 ACTIVE: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMMERCIAL VERTICAL TYPE, 2023–2028 (USD MILLION)

7.2.3 PASSIVE

7.2.3.1 No carrier approval required and considerably cheaper than active DAS
TABLE 51 PASSIVE: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMMERCIAL VERTICAL TYPE, 2019–2022 (USD MILLION)

TABLE 52 PASSIVE: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMMERCIAL VERTICAL TYPE, BY TYPE, 2023–2028 (USD MILLION)

FIGURE 44 COMMERCIAL SEGMENT TO REGISTER HIGHER CAGR IN INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET DURING FORECAST PERIOD

TABLE 53 INDOOR: DISTRIBUTED ANTENNA SYSTEM MARKET, BY VERTICAL, 2019–2022 (USD MILLION)

TABLE 54 INDOOR: DISTRIBUTED ANTENNA SYSTEM MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

7.2.4 HYBRID

7.2.4.1 Offers lower signal loss than purely passive systems
TABLE 55 HYBRID: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMMERCIAL VERTICAL TYPE, 2019–2022(USD MILLION)

TABLE 56 HYBRID: INDOOR DISTRIBUTED ANTENNA SYSTEM MARKET, BY COMMERCIAL VERTICAL TYPE, 2023–2028 (USD MILLION)

7.3 OUTDOOR

7.3.1 USED TO SERVE OUTDOOR AREAS OF HIGH-DENSITY URBAN AND SUBURBAN ENVIRONMENTS

TABLE 57 OUTDOOR: DISTRIBUTED ANTENNA SYSTEM MARKET FOR COMMERCIAL VERTICAL, BY TYPE, 2019–2022 (USD MILLION)

TABLE 58 OUTDOOR: DISTRIBUTED ANTENNA SYSTEM MARKET FOR COMMERCIAL VERTICAL, BY TYPE, 2023–2028 (USD MILLION)

8 DISTRIBUTED ANTENNA SYSTEM (DAS) MARKET, BY OWNERSHIP MODEL

8.1 INTRODUCTION

FIGURE 45 DISTRIBUTED ANTENNA SYSTEM MARKET, BY OWNERSHIP MODEL

FIGURE 46 NEUTRAL-HOST OWNERSHIP SEGMENT TO REGISTER HIGHEST CAGR IN DISTRIBUTED ANTENNA SYSTEM MARKET DURING FORECAST PERIOD

TABLE 59 DISTRIBUTED ANTENNA SYSTEM MARKET, BY OWNERSHIP MODEL, 2019–2022 (USD MILLION)

TABLE 60 DISTRIBUTED ANTENNA SYSTEM MARKET, BY OWNERSHIP MODEL, 2023–2028 (USD MILLION)

TABLE 61 DISTRIBUTED ANTENNA SYSTEM MARKET FOR COMPONENTS, BY OWNERSHIP MODEL, 2019–2022 (USD MILLION)

TABLE 62 DISTRIBUTED ANTENNA SYSTEM MARKET FOR COMPONENTS, BY OWNERSHIP MODEL, 2023–2028 (USD MILLION)

TABLE 63 DISTRIBUTED ANTENNA SYSTEM MARKET FOR SERVICES, BY OWNERSHIP MODEL, 2019–2022 (USD MILLION)

TABLE 64 DISTRIBUTED ANTENNA SYSTEM MARKET FOR SERVICES, BY OWNERSHIP MODEL, 2023–2028 (USD MILLION)

FIGURE 47 NEUTRAL-HOST OWNERSHIP SEGMENT TO HOLD LARGEST SHARE OF DISTRIBUTED ANTENNA SYSTEM COMPONENT MARKET FOR INDOOR COVERAGE IN 2028

TABLE 65 DISTRIBUTED ANTENNA SYSTEM COMPONENT MARKET FOR INDOOR COVERAGE, BY OWNERSHIP MODEL, 2019–2022 (USD MILLION)

TABLE 66 DISTRIBUTED ANTENNA SYSTEM COMPONENT MARKET FOR INDOOR COVERAGE, BY OWNERSHIP MODEL, 2023–2028 (USD MILLION)

TABLE 67 DISTRIBUTED ANTENNA SYSTEM COMPONENT MARKET FOR OUTDOOR COVERAGE, BY OWNERSHIP MODEL, 2019–2022 (USD MILLION)

TABLE 68 DISTRIBUTED ANTENNA SYSTEM COMPONENT MARKET FOR OUTDOOR COVERAGE, BY OWNERSHIP MODEL, 2023–2028 (USD MILLION)

TABLE 69 DISTRIBUTED ANTENNA SYSTEM SERVICE MARKET FOR INDOOR COVERAGE, BY OWNERSHIP MODEL, 2019–2022 (USD MILLION)

TABLE 70 DISTRIBUTED ANTENNA SYSTEM SERVICE MARKET FOR INDOOR COVERAGE, BY OWNERSHIP MODEL, 2023–2028 (USD MILLION)

TABLE 71 DISTRIBUTED ANTENNA SYSTEM SERVICE MARKET FOR OUTDOOR COVERAGE, BY OWNERSHIP MODEL, 2019–2022 (USD MILLION)

TABLE 72 DISTRIBUTED ANTENNA SYSTEM SERVICE MARKET FOR OUTDOOR COVERAGE, BY OWNERSHIP MODEL, 2023–2028 (USD MILLION)

8.2 CARRIER OWNERSHIP

8.2.1 CARRIER OWNERSHIP MODEL HELD LARGEST MARKET SHARE IN 2022

8.3 NEUTRAL-HOST OWNERSHIP

8.3.1 PREFERRED FOR DAS DEPLOYMENTS AT LARGE VENUES, SUCH AS STADIUMS, MALLS, AND AIRPORTS

8.4 ENTERPRISE OWNERSHIP

8.4.1 STANDARDIZATION OF 5G TO FAVOR MARKET GROWTH

9 DISTRIBUTED ANTENNA SYSTEM (DAS) MARKET, BY USER FACILITY AREA

9.1 INTRODUCTION

FIGURE 48 DISTRIBUTED ANTENNA SYSTEM MARKET, BY USER FACILITY AREA

FIGURE 49 >500 K SQ. FT. USER FACILITIES TO HOLD LARGEST SHARE OF DISTRIBUTED ANTENNA SYSTEM MARKET DURING FORECAST PERIOD

TABLE 73 DISTRIBUTED ANTENNA SYSTEM MARKET, BY USER FACILITY AREA, 2019–2022 (USD MILLION)

TABLE 74 DISTRIBUTED ANTENNA SYSTEM MARKET, BY USER FACILITY AREA, 2023–2028 (USD MILLION)

9.2 >500 K SQ. FT.

9.2.1 >500 K SQ. FT. SEGMENT TO HOLD LARGEST MARKET SHARE DURING FORECAST PERIOD

9.3 200–500 K SQ. FT.

9.3.1 GROWING ADOPTION OF DAS IN USER FACILITY AREAS OF 200–500 K SQ. FT. TO ENSURE DATA SECURITY AND PRIVACY TO DRIVE MARKET

9.4

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