+44 20 8123 2220
info@marketpublishers.com

Distributed Antenna Systems (DAS): Market Analysis and Forecasts 2016 - 2021

https://marketpublishers.com/r/D0514160BB7EN.html
Date: August 2016
Pages: 138
Price: US$ 1,995.00 (Single User License)
ID: D0514160BB7EN

Abstracts

A Distributed Antenna System (DAS) typically consists of a group of antennas physically connected to a controller that is connected to the carrier macro cell. DAS will serve as a repeater to the nearest base transceiver stations (BTS) and extend its broad range of service to very narrow areas where there is a great demand in wireless services.

DAS provides coverage when regular BTS is not a viable option. DAS is also a particularly useful solution for indoor coverage in which a given building may have many floors, underground or formed of steel structure, and/or other RF barriers. DAS also improve overall capacity and represent a complementary solution to other optimization technologies such as small cells and self-organizing networks (SON).

This research provides analysis of the DAS market, including carrier WiFi, small cells, and SON. The report evaluates leading companies in the DAS ecosystem and their solutions. The report also includes evaluation of market drivers, challenges, and provides forecasts for 2016 to 2021. All purchases of Mind Commerce reports includes time with an expert analyst who will help you link key findings in the report to the business issues you're addressing. This needs to be used within three months of purchasing the report.

Target Audience:

Investment Firms

Application Developers

Mobile Network Carriers

+44 20 8123 2220
info@marketpublishers.com

Service Bureau Companies

WiFi Infrastructure Vendors

Distributed Antenna Vendors

Wireless Infrastructure Vendors

Select Report Findings:

Global DAS equipment market to reach $3.1B by 2021

The largest barrier to deployment continues to be high deployment costs

The combined DAS market revenue is expected to reach $9.1B by 2021 growing at 14.95% CAGR

Leading industries for DAS system deployment are public safety, enterprise, transportation, and healthcare

+44 20 8123 2220
info@marketpublishers.com

Contents

1 OVERVIEW

1.1 Introduction to DAS
1.2 DAS Role in Wireless Network Infrastructure
  1.2.1 DAS Benefits to Mobile Network Operators
    1.2.1.1 Improved Coverage and Quality of Service
    1.2.1.2 Increased Capacity
    1.2.1.3 Capital Cost Reduction
    1.2.1.4 Speed to Market
  1.2.2 DAS Deployment and Operational Challenges
1.3 DAS Technology
  1.3.1 DAS Operations
  1.3.2 DAS and Small Cell Technology
    1.3.2.1 Microcell Solutions
    1.3.2.2 Pico/Metrocell Solutions
    1.3.2.3 Femtocell Solutions
    1.3.2.4 WiFi
    1.3.2.5 Small Cell Capacity
    1.3.2.6 Small Cell Cost vs. DAS
  1.3.3 DAS and Self Organizing Networks (SON)
    1.3.3.1 DAS and SON Coordinated Coverage and Quality
    1.3.3.2 Beyond SON and DAS for Optimized Networks

2 DAS ECOSYSTEM

2.1 DAS Ecosystem
  2.1.1 DAS OEMs
    2.1.1.1 Key Players
      2.1.1.1.1 SOLiD
        2.1.1.1.1.1 Business Overview
        2.1.1.1.1.2 Services
        2.1.1.1.1.3 Recent Developments
      2.1.1.1.2 Microlab, FX
        2.1.1.1.2.1 Business Overview
        2.1.1.1.2.2 Services
        2.1.1.1.2.3 Recent Developments
      2.1.1.1.3 Andrew

+44 20 8123 2220
info@marketpublishers.com

2.1.1.1.4 Tyco (TE Connectivity)
2.1.1.1.5 Corning
2.1.1.1.5.1 Business Overview
2.1.1.1.5.2 Services
2.1.1.1.6 Dali Wireless
2.1.1.1.6.1 Business Overview
2.1.1.1.6.2 Services
2.1.1.1.6.3 Recent Developments
2.1.2 Wireless Service Providers
2.1.2.1 Key Players
2.1.2.1.1 Boingo Wireless
2.1.2.1.1.1 Business Overview
2.1.2.1.1.2 Services
2.1.2.1.2 China Mobile
2.1.2.1.2.1 Business Overview
2.1.2.1.2.2 Services
2.1.2.1.2.3 Recent Developments
2.1.3 Distribution
2.1.4 Cable Contractors
2.1.4.1 Key Players
2.1.4.1.1 DAS Simplified
2.1.4.1.1.1 Business Overview
2.1.4.1.1.2 Services
2.1.4.1.1.3 Recent Developments
2.1.5 DAS Integrator
2.1.5.1 Key Players
2.1.5.1.1 AT&T's Antenna Solutions Group (ASG)
2.1.5.1.1.1 Business Overview
2.1.5.1.1.2 Services
2.1.5.1.1.3 Recent Developments
2.1.5.1.2 American Tower Corporation
2.1.5.1.2.1 Business Overview
2.1.5.1.2.2 Services
2.1.5.1.3 Axell
2.1.5.1.3.1 Business Overview
2.1.5.1.3.2 Services
2.1.5.1.3.3 Recent Developments
2.1.6 End-User Customers
2.2 DAS Deployment and Operational Challenges

+44 20 8123 2220
info@marketpublishers.com

2.2.1 Regulatory Issues
2.2.1.1 DAS Regulations
2.2.1.2 Vagueness of Current Legislation
2.2.2 Deployment Issues
2.2.3 Technical Issues
2.2.3.1 DAS Multiple Service Offerings
2.2.3.2 Supporting Future Requirements

3 KEY DAS COMPANIES AND SOLUTIONS

3.1 Enterprise Connectivity
3.1.1 Key Players
3.1.1.1 iBwave
3.1.1.1.1 Business Overview
3.1.1.1.2 Services
3.1.1.1.3 Recent Developments
3.1.1.2 TCS
3.1.1.2.1 Business Overview
3.1.1.2.2 Services
3.1.1.2.3 Recent Developments
3.2 Public Safety
3.2.1 Key Players
3.2.1.1 Crown Castle
3.2.1.1.1 Business Overview
3.2.1.1.2 Services
3.2.1.1.3 Recent Developments
3.3 Healthcare
3.3.1 Key Players
3.3.1.1 Alcatel-Lucent
3.3.1.1.1 Business Overview
3.3.1.1.2 Services
3.3.1.2 Legrand
3.3.1.2.1 Business Overview
3.3.1.2.2 Services
3.3.1.2.3 Recent Developments
3.4 Transportation
3.4.1 Railways
3.4.1.1 Key Players
3.4.1.1.1 CommScope

+44 20 8123 2220
info@marketpublishers.com

3.4.1.1.1.1 Business Overview
3.4.1.1.1.2 Services
3.4.1.1.1.3 Recent Developments
3.4.1.1.2 InSite Wireless
3.4.1.1.2.1 Business Overview
3.4.1.1.2.2 Services
3.4.1.1.2.3 Recent Developments
3.4.2 Airports
3.4.2.1 Key Players
3.4.2.1.1 TE Connectivity
3.4.2.1.1.1 Business Overview
3.4.2.1.1.2 Services
3.4.2.1.1.3 Recent Developments
3.4.3 Street Stations
3.4.3.1 Key Players
3.4.3.1.1 iWireless
3.4.3.1.1.1 Business Overview
3.4.3.1.1.2 Services
3.4.3.1.1.3 Recent Developments
3.5 Sports
3.5.1 Key Players
3.5.1.1 Essentia
3.5.1.1.1 Business Overview
3.5.1.1.2 Services
3.5.1.1.3 Recent Developments
3.5.1.2 Optical Telecom
3.5.1.2.1 Business Overview
3.5.1.2.1.1 Services
3.5.1.2.2 Recent Developments
3.5.1.3 FoxCom
3.5.1.3.1 Business Overview
3.5.1.3.2 Services
3.5.1.3.3 Recent Developments
3.5.1.4 Westell
3.5.1.4.1 Business Overview
3.5.1.4.2 Services
3.5.1.4.3 Recent Developments
3.5.1.5 Comba Telecom Systems Holding
3.5.1.5.1 Business Overview

+44 20 8123 2220
info@marketpublishers.com

3.5.1.5.2 Services
3.5.1.5.3 Recent Developments
3.6 Entertainment
3.6.1 Key Players
3.6.1.1 Crown Castle
3.6.1.1.1 Business Overview
3.6.1.1.2 Services
3.6.1.1.3 Recent Developments

4 DAS FORECASTS 2016 - 2021

4.1 Combined DAS Market 2016 - 2021
4.1.1 Combined DAS Market Revenue
4.1.2 Revenue by Segment
4.1.3 Revenue by Types of Coverage
4.1.3.1 Indoor DAS Market Revenue
4.1.4 Revenue by Ownership
4.1.5 Revenue by Vertical Industry
4.1.6 Revenue by Technology
4.1.7 Revenue by Region
4.1.7.1 Revenue by North America Country
4.1.7.2 Revenue by Asia Pacific Country
4.1.7.3 Revenue by Europe Country
4.1.7.4 Revenue by Middle East & Africa Country
4.1.7.5 Revenue by Latin America Country
4.2 DAS Equipment Market 2016 - 2021
4.2.1 Market by Types of Coverage
4.2.1.1 Indoor DAS Equipment Market
4.2.2 Market by Ownership
4.2.3 Market by Vertical Industry
4.2.4 Market by Technology
4.2.5 Market by Region
4.2.5.1 Market by North America Country
4.2.5.2 Market by Asia Pacific Country
4.2.5.3 Market by Europe Country
4.2.5.4 Market by Middle East & Africa Country
4.2.5.5 Market by Latin America Country
4.3 DAS Application Market 2016 - 2021
4.3.1 Market by Types of Coverage

+44 20 8123 2220
info@marketpublishers.com

4.3.1.1 Indoor DAS Application Market
4.3.2 Market by Ownership
4.3.3 Market by Vertical Industry
4.3.4 Market by Technology
4.3.5 Market by Region
4.3.5.1 Market by North America Country
4.3.5.2 Market by Asia Pacific Country
4.3.5.3 Market by Europe Country
4.3.5.4 Market by Middle East & Africa Country
4.3.5.5 Market by Latin America Country
4.4 DAS Service Market 2016 - 2021
4.4.1 Market by Types of Coverage
4.4.1.1 Indoor DAS Service Market
4.4.2 Market by Ownership
4.4.3 Market by Vertical Industry
4.4.4 Market by Technology
4.4.5 Market by Region
4.4.5.1 Market by North America Country
4.4.5.2 Market by Asia Pacific Country
4.4.5.3 Market by Europe Country
4.4.5.4 Market by Middle East & Africa Country
4.4.5.5 Market by Latin America Country
4.5 DAS System Deployment 2016 - 2021
4.5.1 DAS System Deployment Unit
4.5.2 Units by Coverage
4.5.2.1 Indoor DAS Unit
4.5.3 Unit by Ownership
4.5.4 Unit by Vertical Industry
4.5.5 Unit by Technology
4.5.6 Unit by Region
4.5.6.1 Unit by North America Country
4.5.6.2 Unit by Asia Pacific Country
4.5.6.3 Unit by Europe Country
4.5.6.4 Unit by Middle East & Africa Country
4.5.6.5 Unit by Latin America Country
4.6 DAS System Structure
4.7 DAS System Deployment Costs
4.8 DAS Life Cycle
4.9 DAS Quality Metrics: User Feedback

+44 20 8123 2220
info@marketpublishers.com

4.9.1 Deployment Challenges
4.9.2 Deployment Barriers
4.9.3 DAS System Proposal Metrics

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1: DAS Technology Realization and Solutions Benefits
Figure 2: DAS Relative to Overall Wireless Networking Infrastructure
Figure 3: In-Building Coverage with DAS
Figure 4: Outdoor DAS Coverage
Figure 5: DAS Signal Controllers
Figure 6: DAS Network Topology
Figure 7: CPRI Connected Small Cells
Figure 8: Micro Cell Coverage
Figure 9: Femto/Pico Cell Architecture
Figure 10: DAS vs. Small Cells in Different Buildings
Figure 11: SON Capabilities
Figure 12: SON Business Drivers
Figure 13: SON Architecture
Figure 14: Global DAS Market Revenue 2016 - 2021
Figure 15: Global DAS System Deployment 2016 - 2021

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1: Global DAS Revenue by Segment 2016 - 2021
Table 2: Global DAS Revenue by Coverage Type 2016 - 2021
Table 3: Global Indoor DAS Revenue by Type 2016 - 2021
Table 4: Global DAS Revenue by Ownership Type 2016 - 2021
Table 5: Global DAS Revenue by Vertical Industry 2016 - 2021
Table 6: Global DAS Revenue by Supporting Technology 2016 - 2021
Table 7: Global DAS Revenue by Region 2016 - 2021
Table 8: North America DAS Revenue by Country 2016 - 2021
Table 9: Asia Pacific DAS Revenue by Country 2016 - 2021
Table 10: Europe DAS Revenue by Country 2016 - 2021
Table 11: Middle East & Africa DAS Revenue by Country 2016 - 2021
Table 12: Latin America DAS Revenue by Country 2016 - 2021
Table 13: Global DAS Equipment Revenue by Coverage Type 2016 - 2021
Table 14: Global Indoor DAS Equipment by Revenue Type 2016 - 2021
Table 15: Global DAS Equipment Revenue by Ownership Type 2016 - 2021
Table 16: Global DAS Equipment Revenue by Vertical Industry 2016 - 2021
Table 17: Global DAS Equipment Revenue by Supporting Technology 2016 - 2021
Table 18: Global DAS Equipment Revenue by Region 2016 - 2021
Table 19: North America DAS Equipment Revenue by Country 2016 - 2021
Table 20: Asia Pacific DAS Equipment Revenue by Country 2016 - 2021
Table 21: Europe DAS Equipment Revenue by Country 2016 - 2021
Table 22: Middle East & Africa DAS Equipment Revenue by Country 2016 - 2021
Table 23: Latin America DAS Equipment Revenue by Country 2016 - 2021
Table 24: Global DAS Application Revenue by Coverage Type 2016 - 2021
Table 25: Global Indoor DAS Application Revenue by Type 2016 - 2021
Table 26: Global DAS Application Revenue by Ownership Type 2016 - 2021
Table 27: Global DAS Application Revenue by Vertical Industry 2016 - 2021
Table 28: Global DAS Application Revenue by Supporting Technology 2016 - 2021
Table 29: Global DAS Application Revenue by Region 2016 - 2021
Table 30: North America DAS Application Revenue by Country 2016 - 2021
Table 31: Asia Pacific DAS Application Revenue by Country 2016 - 2021
Table 32: Europe DAS Application Revenue by Country 2016 - 2021
Table 33: Middle East & Africa DAS Application Revenue by Country 2016 - 2021
Table 34: Latin America DAS Application Revenue by Country 2016 - 2021
Table 35: Global DAS Service Revenue by Coverage Type 2016 - 2021

+44 20 8123 2220
info@marketpublishers.com

Table 36: Global Indoor DAS Service Revenue by Type 2016 - 2021
Table 37: Global DAS Service Revenue by Ownership Type 2016 - 2021
Table 38: Global DAS Service Revenue by Vertical Industry 2016 - 2021
Table 39: Global DAS Service Revenue by Supporting Technology 2016 - 2021
Table 40: Global DAS Service Revenue by Region 2016 - 2021
Table 41: North America DAS Service Revenue by Country 2016 - 2021
Table 42: Asia Pacific DAS Service Revenue by Country 2016 - 2021
Table 43: Europe DAS Service Revenue by Country 2016 - 2021
Table 44: Middle East & Africa DAS Service Revenue by Country 2016 - 2021
Table 45: Latin America DAS Service Revenue by Country 2016 - 2021
Table 46: Global DAS System Deployment by Coverage Type 2016 - 2021
Table 47: Global Indoor DAS System Deployment by Type 2016 - 2021
Table 48: Global DAS System Deployment by Ownership Type 2016 - 2021
Table 49: Global DAS System Deployment by Vertical Industry 2016 - 2021
Table 50: Global DAS System Deployment by Supporting Technology 2016 - 2021
Table 51: Global DAS System Deployment by Region 2016 - 2021
Table 52: North America DAS System Deployment Unit by Country 2016 - 2021
Table 53: Asia Pacific DAS System Deployment by Country 2016 - 2021
Table 54: Europe DAS System Deployment by Country 2016 - 2021
Table 55: Middle East & Africa DAS System Deployment by Country 2016 - 2021
Table 56: Latin America DAS System Deployment by Country 2016 - 2021
Table 57: Indoor vs. Outdoor DAS Structure
Table 58: Deployment Costs of DAS System
Table 59: DAS System Deployment Life Cycle
Table 60: DAS System Deployment Challenges identified by Users
Table 61: DAS System Deployment Barriers identified by Users
Table 62: DAS System Proposal Metrics identified by Users

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Distributed Antenna Systems (DAS): Market Analysis and Forecasts 2016 - 2021
Product link: https://marketpublishers.com/r/D0514160BB7EN.html
Price: US$ 1,995.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/D0514160BB7EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970