

# **Asia Pacific 5G Base Station Market Forecast to 2030 - Regional Analysis - by Component (Hardware and Service), Frequency Band (Less Than 2.5 GHz, 2.5 - 8 GHz, 8 - 25 GHz, and More Than 25 GHz), Cell Type [Macrocell and Small Cell (Microcell, Picocell, and Femtocell)], and End User (Industrial, Commercial, and Residential)**

<https://marketpublishers.com/r/A2B88BA71599EN.html>

Date: June 2024

Pages: 118

Price: US\$ 2,485.00 (Single User License)

ID: A2B88BA71599EN

## **Abstracts**

The Asia Pacific 5G base station market was valued at US\$ 7,543.19 million in 2022 and is expected to reach US\$ 25,743.56 million by 2030; it is estimated to register a CAGR of 16.6% from 2022 to 2030.

### **Increasing 5G Subscriptions in Developing Countries Boost Asia Pacific 5G Base Station Market**

The rate of 5G subscriptions is increasing in developing countries such as India, China, and Malaysia. According to the report of Ericsson company, India registered approximately seven million mobile subscribers during the second quarter of 2023, followed by China with five million. China has been highly focused on 5G and fiber broadband network rollouts in an effort to build a high-speed broadband platform that can support digital service developments. China recorded a 5G penetration rate of ~60% in 2022. China Mobile is the largest 5G operator, with 466.6 million 5G customers, nearly 55% of the total 5G customers. Also, China Telecom had 210.8 million 5G customers, about 25% of the country's 5G subscriber market, while China Unicom had 170.7 million, over 20% of the total subscribers. Furthermore, in September 2023, the Minister of Malaysia disclosed that the country had completed a total of 5,873 5G sites, with a total of 2.49 million 5G subscriptions. Therefore, the increasing rate of

5G subscriptions in several developing countries is anticipated to create lucrative opportunities for the 5G base station market growth during the forecast period.

### Asia Pacific 5G Base Station Market Overview

The demand for 5G base stations in Asia Pacific (APAC) has been on the rise. APAC is home to a few of the world's most populous countries, and there has been a surge in smartphone adoption. For example, China, the world's most populous country, has a massive and growing smartphone user base. According to the GSM Association, nearly 1.3 billion users in China subscribed to a mobile service by the end of 2022. By 2025, China will be the first market with 1 billion 5G connections. 5G connections in the country will reach 1.6 billion by 2030, accounting for almost a third of the global total. In 2022, mobile services and technologies generated 5.5% of China's GDP—a contribution that amounted to US\$ 1.1 trillion. Furthermore, governments of various countries across the region are investing in 5G infrastructure. For instance, in October 2023, the Prime Minister of India inaugurated the 7th Edition of the India Mobile Congress 2023 (IMC) at Bharat Mandapam in New Delhi. IMC is the largest telecom, media, and technology forum in APAC. The 5G lab equipment would include 5G SA infrastructure (mid-band), 5G SIMs, dongles, IoT gateway, router, and application server to meet lab needs, along with a management dashboard. Similarly, there is a significant need for fiberization and additional telecom tower deployment in India. The Digital Infrastructure Providers Association (DIPA) highlighted non-compliance with Right of Way (ROW) rules by certain Indian states. DIPA stressed the importance of fiberization for 65% of towers and the deployment of an additional 1,200,000 towers between 2023 and 2024. Thus, the demand for 5G base stations in APAC is growing due to significant investments and deployments of 5G by both governments and telecommunications companies.

### Asia Pacific 5G Base Station Market Revenue and Forecast to 2030 (US\$ Million)

### Asia Pacific 5G Base Station Market Segmentation

The Asia Pacific 5G base station market is categorized into component, frequency band, cell type, end user, and country.

Based on component, the Asia Pacific 5G base station market is bifurcated into hardware and service. The hardware segment held a larger market share in 2022.

In terms of frequency band, the Asia Pacific 5G base station market is segmented into less than 2.5 GHz, 2.5 - 8 GHz, 8 - 25 GHz, and more than 25 GHz. The 2.5 - 8 GHz

segment held the largest market share in 2022.

By cell type, the Asia Pacific 5G base station market is bifurcated into macrocell and small cell. The small cell segment held a larger market share in 2022. Furthermore, the small cell segment is subsegmented into microcell, picocell, and femtocell.

Based on end user, the Asia Pacific 5G base station market is segmented into industrial, commercial, and residential. The commercial segment held the largest market share in 2022.

By country, the Asia Pacific 5G base station market is segmented into China, Australia, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific 5G base station market share in 2022.

Airspan Networks Holdings Inc, Alpha Networks Inc, Baicells Technologies North America Inc, Huawei Technologies Co Ltd, NEC Corp, Nokia Corp, Samsung Electronics Co Ltd, Telefonaktiebolaget LM Ericsson, and ZTE Corp are among the leading companies operating in the Asia Pacific 5G base station market.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. ASIA PACIFIC 5G BASE STATION MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 Ecosystem Analysis
  - 4.2.1 List of Vendors in the Value Chain:

### **5. ASIA PACIFIC 5G BASE STATION MARKET - KEY MARKET DYNAMICS**

- 5.1 Asia Pacific 5G Base Station Market - Key Market Dynamics
- 5.2 Market Drivers
  - 5.2.1 Increased Demand for Low Latency and High-speed Data
  - 5.2.2 Rise in Government Initiatives in Development of 5G Network
  - 5.2.3 Surge in IoT and Industry 4.0 Adoption
- 5.3 Market Restraints
  - 5.3.1 High Cost of Installing 5G Infrastructure
  - 5.3.2 Government Regulations Related to Network Radiation
- 5.4 Market Opportunities
  - 5.4.1 Development of Smart Infrastructure and Smart City
  - 5.4.2 Increasing 5G Subscriptions in Developing Countries
- 5.5 Future Trends
  - 5.5.1 Rise in Usage of Edge Computing

## 5.6 Impact of Drivers and Restraints:

## 6. 5G BASE STATION MARKET - ASIA PACIFIC MARKET ANALYSIS

### 6.1 Asia Pacific 5G Base Station Market Revenue (US\$ Million), 2020 - 2030

### 6.2 Asia Pacific 5G Base Station Market Forecast and Analysis

## 7. ASIA PACIFIC 5G BASE STATION MARKET ANALYSIS - COMPONENT

### 7.1 Hardware

#### 7.1.1 Overview

#### 7.1.2 Hardware Market, Revenue and Forecast to 2030 (US\$ Million)

### 7.2 Service

#### 7.2.1 Overview

#### 7.2.2 Service Market, Revenue and Forecast to 2030 (US\$ Million)

## 8. ASIA PACIFIC 5G BASE STATION MARKET ANALYSIS - FREQUENCY BAND

### 8.1 Less Than 2.5 GHz

#### 8.1.1 Overview

#### 8.1.2 Less Than 2.5 GHz Market, Revenue and Forecast to 2030 (US\$ Million)

### 8.2 2.5 - 8 GHz

#### 8.2.1 Overview

#### 8.2.2 2.5 - 8 GHz Market, Revenue and Forecast to 2030 (US\$ Million)

### 8.3 8 - 25 GHz

#### 8.3.1 Overview

#### 8.3.2 8 - 25 GHz Market, Revenue and Forecast to 2030 (US\$ Million)

### 8.4 More Than 25 GHz

#### 8.4.1 Overview

#### 8.4.2 More Than 25 GHz Market, Revenue and Forecast to 2030 (US\$ Million)

## 9. ASIA PACIFIC 5G BASE STATION MARKET ANALYSIS - CELL TYPE

### 9.1 Macrocell

#### 9.1.1 Overview

#### 9.1.2 Macrocell Market, Revenue and Forecast to 2030 (US\$ Million)

### 9.2 Small Cell

#### 9.2.1 Overview

#### 9.2.2 Small Cell Market, Revenue and Forecast to 2030 (US\$ Million)

### 9.2.3 Microcell

#### 9.2.3.1 Overview

#### 9.2.3.2 Microcell Market, Revenue and Forecast to 2030 (US\$ Million)

### 9.2.4 Picocell

#### 9.2.4.1 Overview

#### 9.2.4.2 Picocell Market, Revenue and Forecast to 2030 (US\$ Million)

### 9.2.5 Femtocell

#### 9.2.5.1 Overview

#### 9.2.5.2 Femtocell Market, Revenue and Forecast to 2030 (US\$ Million)

## 10. ASIA PACIFIC 5G BASE STATION MARKET ANALYSIS - END USER

### 10.1 Industrial

#### 10.1.1 Overview

#### 10.1.2 Industrial Market, Revenue and Forecast to 2030 (US\$ Million)

### 10.2 Commercial

#### 10.2.1 Overview

#### 10.2.2 Commercial Market, Revenue and Forecast to 2030 (US\$ Million)

### 10.3 Residential

#### 10.3.1 Overview

#### 10.3.2 Residential Market, Revenue and Forecast to 2030 (US\$ Million)

## 11. ASIA PACIFIC 5G BASE STATION MARKET - COUNTRY ANALYSIS

### 11.1 Asia Pacific

#### 11.1.1 Asia Pacific 5G Base Station Market Overview

#### 11.1.2 Asia Pacific 5G Base Station Market Revenue and Forecasts and Analysis - By Country

##### 11.1.2.1 Asia Pacific 5G Base Station Market Revenue and Forecasts and Analysis - By Country

##### 11.1.2.2 Australia 5G Base Station Market Revenue and Forecasts to 2030 (US\$ Mn)

###### 11.1.2.2.1 Australia 5G Base Station Market Breakdown, by Component

###### 11.1.2.2.2 Australia 5G Base Station Market Breakdown, by Frequency Band

###### 11.1.2.2.3 Australia 5G Base Station Market Breakdown, by Cell Type

###### 11.1.2.2.3.1 Australia 5G Base Station Market Breakdown, by Small Cell

###### 11.1.2.2.4 Australia 5G Base Station Market Breakdown, by End User

##### 11.1.2.3 China 5G Base Station Market Revenue and Forecasts to 2030 (US\$ Mn)

###### 11.1.2.3.1 China 5G Base Station Market Breakdown, by Component

###### 11.1.2.3.2 China 5G Base Station Market Breakdown, by Frequency Band

- 11.1.2.3.3 China 5G Base Station Market Breakdown, by Cell Type
  - 11.1.2.3.3.1 China 5G Base Station Market Breakdown, by Small Cell
- 11.1.2.3.4 China 5G Base Station Market Breakdown, by End User
- 11.1.2.4 India 5G Base Station Market Revenue and Forecasts to 2030 (US\$ Mn)
  - 11.1.2.4.1 India 5G Base Station Market Breakdown, by Component
  - 11.1.2.4.2 India 5G Base Station Market Breakdown, by Frequency Band
  - 11.1.2.4.3 India 5G Base Station Market Breakdown, by Cell Type
    - 11.1.2.4.3.1 India 5G Base Station Market Breakdown, by Small Cell
  - 11.1.2.4.4 India 5G Base Station Market Breakdown, by End User
- 11.1.2.5 Japan 5G Base Station Market Revenue and Forecasts to 2030 (US\$ Mn)
  - 11.1.2.5.1 Japan 5G Base Station Market Breakdown, by Component
  - 11.1.2.5.2 Japan 5G Base Station Market Breakdown, by Frequency Band
  - 11.1.2.5.3 Japan 5G Base Station Market Breakdown, by Cell Type
    - 11.1.2.5.3.1 Japan 5G Base Station Market Breakdown, by Small Cell
  - 11.1.2.5.4 Japan 5G Base Station Market Breakdown, by End User
- 11.1.2.6 South Korea 5G Base Station Market Revenue and Forecasts to 2030 (US\$ Mn)
  - 11.1.2.6.1 South Korea 5G Base Station Market Breakdown, by Component
  - 11.1.2.6.2 South Korea 5G Base Station Market Breakdown, by Frequency Band
  - 11.1.2.6.3 South Korea 5G Base Station Market Breakdown, by Cell Type
    - 11.1.2.6.3.1 South Korea 5G Base Station Market Breakdown, by Small Cell
  - 11.1.2.6.4 South Korea 5G Base Station Market Breakdown, by End User
- 11.1.2.7 Rest of APAC 5G Base Station Market Revenue and Forecasts to 2030 (US\$ Mn)
  - 11.1.2.7.1 Rest of APAC 5G Base Station Market Breakdown, by Component
  - 11.1.2.7.2 Rest of APAC 5G Base Station Market Breakdown, by Frequency Band
  - 11.1.2.7.3 Rest of APAC 5G Base Station Market Breakdown, by Cell Type
    - 11.1.2.7.3.1 Rest of APAC 5G Base Station Market Breakdown, by Small Cell
  - 11.1.2.7.4 Rest of APAC 5G Base Station Market Breakdown, by End User

## **12. INDUSTRY LANDSCAPE**

- 12.1 Overview
- 12.2 Market Initiative
- 12.3 Product Development
- 12.4 Mergers & Acquisitions

## **13. COMPANY PROFILES**



### 13.1 ZTE Corp

#### 13.1.1 Key Facts

#### 13.1.2 Business Description

#### 13.1.3 Products and Services

#### 13.1.4 Financial Overview

#### 13.1.5 SWOT Analysis

#### 13.1.6 Key Developments

### 13.2 Huawei Technologies Co Ltd

#### 13.2.1 Key Facts

#### 13.2.2 Business Description

#### 13.2.3 Products and Services

#### 13.2.4 Financial Overview

#### 13.2.5 SWOT Analysis

#### 13.2.6 Key Developments

### 13.3 NEC Corp

#### 13.3.1 Key Facts

#### 13.3.2 Business Description

#### 13.3.3 Products and Services

#### 13.3.4 Financial Overview

#### 13.3.5 SWOT Analysis

#### 13.3.6 Key Developments

### 13.4 Samsung Electronics Co Ltd

#### 13.4.1 Key Facts

#### 13.4.2 Business Description

#### 13.4.3 Products and Services

#### 13.4.4 Financial Overview

#### 13.4.5 SWOT Analysis

#### 13.4.6 Key Developments

### 13.5 Telefonaktiebolaget LM Ericsson

#### 13.5.1 Key Facts

#### 13.5.2 Business Description

#### 13.5.3 Products and Services

#### 13.5.4 Financial Overview

#### 13.5.5 SWOT Analysis

#### 13.5.6 Key Developments

### 13.6 Nokia Corp

#### 13.6.1 Key Facts

#### 13.6.2 Business Description

#### 13.6.3 Products and Services



- 13.6.4 Financial Overview
- 13.6.5 SWOT Analysis
- 13.6.6 Key Developments
- 13.7 Airspan Networks Holdings Inc
  - 13.7.1 Key Facts
  - 13.7.2 Business Description
  - 13.7.3 Products and Services
  - 13.7.4 Financial Overview
  - 13.7.5 SWOT Analysis
  - 13.7.6 Key Developments
- 13.8 Alpha Networks Inc
  - 13.8.1 Key Facts
  - 13.8.2 Business Description
  - 13.8.3 Products and Services
  - 13.8.4 Financial Overview
  - 13.8.5 SWOT Analysis
  - 13.8.6 Key Developments
- 13.9 Baicells Technologies North America Inc
  - 13.9.1 Key Facts
  - 13.9.2 Business Description
  - 13.9.3 Products and Services
  - 13.9.4 Financial Overview
  - 13.9.5 SWOT Analysis
  - 13.9.6 Key Developments

## **14. APPENDIX**

- 14.1 Word Index

## I would like to order

Product name: Asia Pacific 5G Base Station Market Forecast to 2030 - Regional Analysis - by Component (Hardware and Service), Frequency Band (Less Than 2.5 GHz, 2.5 - 8 GHz, 8 - 25 GHz, and More Than 25 GHz), Cell Type [Macrocell and Small Cell (Microcell, Picocell, and Femtocell)], and End User (Industrial, Commercial, and Residential)

Product link: <https://marketpublishers.com/r/A2B88BA71599EN.html>

Price: US\$ 2,485.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A2B88BA71599EN.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**

Customer 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