

# White Box Server Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/W6EC58EC4D1CEN.html>

Date: September 2023

Pages: 148

Price: US\$ 2,499.00 (Single User License)

ID: W6EC58EC4D1CEN

## Abstracts

### Market Overview:

The global white-box server market size reached US\$ 12.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 35.5 Billion by 2028, exhibiting a growth rate (CAGR) of 20.02% during 2023-2028.

A white box server refers to a data center server that is built by Original Design Manufacturers (ODM) by using Commercial-Off-The-Shelf (COTS) components. It is primarily used by data center professionals who require extensive customizability in the product. Depending upon the components, a white box server can efficiently perform various memory and network connectivity functions. They can also run virtualization software as well as premium operating systems such as Windows Server and Red Hat Enterprise Linux (RHEL) and provide High Availability (HA) and failover protection.

The cost-effectiveness and high degree of customizability of white-box servers are the key factors driving the market growth. Along with this, the rising trend of digitalization and increasing use of cloud services and big data analytics is also contributing significantly to the product demand. There is a growing demand for low-costs servers, enhanced uptime and flexibility in the hardware designs, owing to which, consumers are increasingly opting for ODM services to build their networking equipment and software solutions. Additionally, data analytics and cloud adoption with increased server applications for processing workloads through cross-platform support are also augmenting the growth of the market. The ODMs are also emphasizing on developing an economical and energy-efficient product that offers improved storage to meet the requirements of the users. Moreover, various technological advancements, such as the

construction of energy-efficient green data centers for controlling carbon emissions and electricity consumption, is also creating a positive outlook for the market. Other growth factors include the rising adoption of open platforms and an overall increase in the demand for micro-servers across the globe.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global white-box server market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on form factor, business type, processor type, operating system and component.

#### Breakup by Form Factor:

- Rack & Tower Servers
- Blade Servers
- Density-Optimized Servers

#### Breakup by Business Type:

- Data Centers
- Enterprises

#### Breakup by Processor Type:

- X86 Server
- Non-X86 Server

#### Breakup by Operating System:

- Linux Operating System
- Others

#### Breakup by Component:

- Motherboard
- Processor
- Memory
- Hard Drive
- Server Case/Chassis

Network Adapter  
Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Celestica Inc., Compal Inc., Hon Hai Precision Industry Company Ltd., Hyve Solutions Corporations, Inventec Corporation, MiTAC Holdings Corporation, Pegatron Corporation, Penguin Computing, Quanta Computer Incorporated, Equus Computer Systems, Super Micro Computer, Inc., Wistron Corporation and ZT Systems.

Key Questions Answered in This Report

1. How big is the global white-box server market?
2. What is the expected growth rate of the global white-box server market during 2023-2028?
3. What are the key factors driving the global white-box server market?
4. What has been the impact of COVID-19 on the global white-box server market?
5. What is the breakup of the global white-box server market based on the form factor?
6. What is the breakup of the global white-box server market based on the business type?
7. What is the breakup of the global white-box server market based on processor type?
8. What are the key regions in the global white-box server market?
9. Who are the key players/companies in the global white-box server market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

2.1 Objectives of the Study

2.2 Stakeholders

2.3 Data Sources

2.3.1 Primary Sources

2.3.2 Secondary Sources

2.4 Market Estimation

2.4.1 Bottom-Up Approach

2.4.2 Top-Down Approach

2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

4.1 Overview

4.2 Key Industry Trends

### **5 GLOBAL WHITE-BOX SERVER MARKET**

5.1 Market Overview

5.2 Market Performance

5.3 Impact of COVID-19

5.4 Market Forecast

### **6 MARKET BREAKUP BY FORM FACTOR**

6.1 Rack & Tower Servers

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Blade Servers

6.2.1 Market Trends

6.2.2 Market Forecast

6.3 Density-Optimized Servers

6.3.1 Market Trends

6.3.2 Market Forecast

## **7 MARKET BREAKUP BY BUSINESS TYPE**

7.1 Data Centers

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Enterprises

7.2.1 Market Trends

7.2.2 Market Forecast

## **8 MARKET BREAKUP BY PROCESSOR TYPE**

8.1 X86 Server

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Non-X86 Server

8.2.1 Market Trends

8.2.2 Market Forecast

## **9 MARKET BREAKUP BY OPERATING SYSTEM**

9.1 Linux Operating System

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Others

9.2.1 Market Trends

9.2.2 Market Forecast

## **10 MARKET BREAKUP BY COMPONENT**

10.1 Motherboard

10.1.1 Market Trends

10.1.2 Market Forecast

10.2 Processor

10.2.1 Market Trends

10.2.2 Market Forecast

10.3 Memory

- 10.3.1 Market Trends
- 10.3.2 Market Forecast
- 10.4 Hard Drive
  - 10.4.1 Market Trends
  - 10.4.2 Market Forecast
- 10.5 Server Case/Chassis
  - 10.5.1 Market Trends
  - 10.5.2 Market Forecast
- 10.6 Network Adapter
  - 10.6.1 Market Trends
  - 10.6.2 Market Forecast
- 10.7 Others
  - 10.7.1 Market Trends
  - 10.7.2 Market Forecast

## **11 MARKET BREAKUP BY REGION**

- 11.1 North America
  - 11.1.1 United States
    - 11.1.1.1 Market Trends
    - 11.1.1.2 Market Forecast
  - 11.1.2 Canada
    - 11.1.2.1 Market Trends
    - 11.1.2.2 Market Forecast
- 11.2 Asia Pacific
  - 11.2.1 China
    - 11.2.1.1 Market Trends
    - 11.2.1.2 Market Forecast
  - 11.2.2 Japan
    - 11.2.2.1 Market Trends
    - 11.2.2.2 Market Forecast
  - 11.2.3 India
    - 11.2.3.1 Market Trends
    - 11.2.3.2 Market Forecast
  - 11.2.4 South Korea
    - 11.2.4.1 Market Trends
    - 11.2.4.2 Market Forecast
  - 11.2.5 Australia
    - 11.2.5.1 Market Trends

- 11.2.5.2 Market Forecast
- 11.2.6 Indonesia
  - 11.2.6.1 Market Trends
  - 11.2.6.2 Market Forecast
- 11.2.7 Others
  - 11.2.7.1 Market Trends
  - 11.2.7.2 Market Forecast
- 11.3 Europe
  - 11.3.1 Germany
    - 11.3.1.1 Market Trends
    - 11.3.1.2 Market Forecast
  - 11.3.2 France
    - 11.3.2.1 Market Trends
    - 11.3.2.2 Market Forecast
  - 11.3.3 United Kingdom
    - 11.3.3.1 Market Trends
    - 11.3.3.2 Market Forecast
  - 11.3.4 Italy
    - 11.3.4.1 Market Trends
    - 11.3.4.2 Market Forecast
  - 11.3.5 Spain
    - 11.3.5.1 Market Trends
    - 11.3.5.2 Market Forecast
  - 11.3.6 Russia
    - 11.3.6.1 Market Trends
    - 11.3.6.2 Market Forecast
  - 11.3.7 Others
    - 11.3.7.1 Market Trends
    - 11.3.7.2 Market Forecast
- 11.4 Latin America
  - 11.4.1 Brazil
    - 11.4.1.1 Market Trends
    - 11.4.1.2 Market Forecast
  - 11.4.2 Mexico
    - 11.4.2.1 Market Trends
    - 11.4.2.2 Market Forecast
  - 11.4.3 Others
    - 11.4.3.1 Market Trends
    - 11.4.3.2 Market Forecast



## 11.5 Middle East and Africa

### 11.5.1 Market Trends

### 11.5.2 Market Breakup by Country

### 11.5.3 Market Forecast

## 12 SWOT ANALYSIS

### 12.1 Overview

### 12.2 Strengths

### 12.3 Weaknesses

### 12.4 Opportunities

### 12.5 Threats

## 13 VALUE CHAIN ANALYSIS

## 14 PORTERS FIVE FORCES ANALYSIS

### 14.1 Overview

### 14.2 Bargaining Power of Buyers

### 14.3 Bargaining Power of Suppliers

### 14.4 Degree of Competition

### 14.5 Threat of New Entrants

### 14.6 Threat of Substitutes

## 15 PRICE INDICATORS

## 16 COMPETITIVE LANDSCAPE

### 16.1 Market Structure

### 16.2 Key Players

### 16.3 Profiles of Key Players

#### 16.3.1 Celestica Inc.

##### 16.3.1.1 Company Overview

##### 16.3.1.2 Product Portfolio

##### 16.3.1.3 Financials

##### 16.3.1.4 SWOT Analysis

#### 16.3.2 Compal Inc.

##### 16.3.2.1 Company Overview

##### 16.3.2.2 Product Portfolio

- 16.3.2.3 Financials
- 16.3.3 Hon Hai Precision Industry Company Ltd
  - 16.3.3.1 Company Overview
  - 16.3.3.2 Product Portfolio
  - 16.3.3.3 Financials
  - 16.3.3.4 SWOT Analysis
- 16.3.4 Hyve Solutions Corporations
  - 16.3.4.1 Company Overview
  - 16.3.4.2 Product Portfolio
- 16.3.5 Inventec Corporation
  - 16.3.5.1 Company Overview
  - 16.3.5.2 Product Portfolio
  - 16.3.5.3 Financials
  - 16.3.5.4 SWOT Analysis
- 16.3.6 MiTAC Holdings Corporation
  - 16.3.6.1 Company Overview
  - 16.3.6.2 Product Portfolio
  - 16.3.6.3 Financials
- 16.3.7 Pegatron Corporation
  - 16.3.7.1 Company Overview
  - 16.3.7.2 Product Portfolio
  - 16.3.7.3 Financials
- 16.3.8 Penguin Computing
  - 16.3.8.1 Company Overview
  - 16.3.8.2 Product Portfolio
- 16.3.9 Quanta Computer Incorporated
  - 16.3.9.1 Company Overview
  - 16.3.9.2 Product Portfolio
  - 16.3.9.3 Financials
- 16.3.10 Equus Computer Systems
  - 16.3.10.1 Company Overview
  - 16.3.10.2 Product Portfolio
- 16.3.11 Super Micro Computer Inc.
  - 16.3.11.1 Company Overview
  - 16.3.11.2 Product Portfolio
  - 16.3.11.3 Financials
  - 16.3.11.4 SWOT Analysis
- 16.3.12 Wistron Corporation
  - 16.3.12.1 Company Overview

16.3.12.2 Product Portfolio

16.3.12.3 Financials

16.3.13ZT Systems

16.3.13.1 Company Overview

16.3.13.2 Product Portfolio

16.3.13.3 Financials

16.3.13.4 SWOT Analysis

## List Of Tables

### LIST OF TABLES

Table 1: Global: White-Box Server Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: White-Box Server Market Forecast: Breakup by Form Factor (in Million US\$), 2023-2028

Table 3: Global: White-Box Server Market Forecast: Breakup by Business Type (in Million US\$), 2023-2028

Table 4: Global: White-Box Server Market Forecast: Breakup by Processor Type (in Million US\$), 2023-2028

Table 5: Global: White-Box Server Market Forecast: Breakup by Operating System (in Million US\$), 2023-2028

Table 6: Global: White-Box Server Market Forecast: Breakup by Component (in Million US\$), 2023-2028

Table 7: Global: White-Box Server Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 8: Global: White-Box Server Market: Competitive Structure

Table 9: Global: White-Box Server Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: White-Box Server Market: Major Drivers and Challenges

Figure 2: Global: White-Box Server Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: White-Box Server Market: Breakup by Form Factor (in %), 2022

Figure 4: Global: White-Box Server Market: Breakup by Business Type (in %), 2022

Figure 5: Global: White-Box Server Market: Breakup by Processor Type (in %), 2022

Figure 6: Global: White-Box Server Market: Breakup by Operating System (in %), 2022

Figure 7: Global: White-Box Server Market: Breakup by Component (in %), 2022

Figure 8: Global: White-Box Server Market: Breakup by Region (in %), 2022

Figure 9: Global: White-Box Server Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 10: Global: White-Box Server (Rack & Tower Servers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: White-Box Server (Rack & Tower Servers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: White-Box Server (Blade Servers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: White-Box Server (Blade Servers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: White-Box Server (Density-Optimized Servers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: White-Box Server (Density-Optimized Servers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: White-Box Server (Data Centers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: White-Box Server (Data Centers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: White-Box Server (Enterprises) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: White-Box Server (Enterprises) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: White-Box Server (X86 Server) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: White-Box Server (X86 Server) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: White-Box Server (Non-X86 Server) Market: Sales Value (in Million

US\$), 2017 & 2022

Figure 23: Global: White-Box Server (Non-X86 Server) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: White-Box Server (Linux Operating System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: White-Box Server (Linux Operating System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: White-Box Server (Other Operating Systems) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: White-Box Server (Other Operating Systems) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: White-Box Server (Motherboard) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: White-Box Server (Motherboard) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: White-Box Server (Processor) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: White-Box Server (Processor) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: White-Box Server (Memory) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Global: White-Box Server (Memory) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Global: White-Box Server (Hard Drive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Global: White-Box Server (Hard Drive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Global: White-Box Server (Server Case/Chassis) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Global: White-Box Server (Server Case/Chassis) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Global: White-Box Server (Network Adapter) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Global: White-Box Server (Network Adapter) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Global: White-Box Server (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Global: White-Box Server (Others) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: North America: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: North America: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: United States: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: United States: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Canada: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Canada: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Asia Pacific: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Asia Pacific: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: China: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: China: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Japan: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Japan: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: India: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: India: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: South Korea: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: South Korea: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Australia: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Australia: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Indonesia: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Indonesia: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Others: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Others: White-Box Server Market Forecast: Sales Value (in Million US\$),



2023-2028

Figure 64: Europe: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Europe: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Germany: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Germany: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: France: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: France: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: United Kingdom: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: United Kingdom: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Italy: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Italy: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Spain: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Spain: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Russia: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Russia: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Others: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Others: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Latin America: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 81: Latin America: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Brazil: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 83: Brazil: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Mexico: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 85: Mexico: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 86: Others: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 87: Others: White-Box Server Market Forecast: Sales Value (in Million US\$),



2023-2028

Figure 88: Middle East and Africa: White-Box Server Market: Sales Value (in Million US\$), 2017 & 2022

Figure 89: Middle East and Africa: White-Box Server Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 90: Global: White-Box Server Industry: SWOT Analysis

Figure 91: Global: White-Box Server Industry: Value Chain Analysis

Figure 92: Global: White-Box Server Industry: Porter's Five Forces Analysis

## I would like to order

Product name: White Box Server Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/W6EC58EC4D1CEN.html>

Price: US\$ 2,499.00 (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/W6EC58EC4D1CEN.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

