

Global Integrated Heat Spreader (IHS) Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Integrated Heat Spreader (IHS) market size was valued at US\$ 769 million in 2025 and is forecast to a readjusted size of US\$ 1371 million by 2032 with a CAGR of 8.7% during review period.

An Integrated Heat Spreader (IHS) is the surface used to make contact between a heatsink or other thermal solution and a CPU or GPU processor.

Integrated Heat Spreader (IHS) - The metal ?lid? of the CPU. This serves as a heat sink designed to distribute heat from the processor itself to a CPU cooler, as well as provide protection to the processor inside. This is the part of the CPU that is still exposed after being installed in a motherboard, and is the surface to which you apply thermal paste.

Integrated Heat Spreader (IHS) are one of the fundamental heat dissipation components used in various industries. They are typically made of high thermal conductivity metals such as copper or aluminum. In the electronics industry, heat spreaders or heat sinks are installed on electronic components or chips to transfer or dissipate the heat generated by the components using the thermal conductivity of the heat dissipation material itself. Heat spreaders find wide applications in the electronic information industry, semiconductor industry, and optoelectronic component industry, with downstream applications extending to the 3C industry.

Furthermore, electric vehicles (EVs) and hybrid electric vehicles (HEVs) have become a major trend in automotive development. In the inverters and rectifiers of electric vehicles, high-power chip modules pose thermal dissipation challenges. Currently, the mainstream solution for such designs is to use water-cooled heat spreaders. By utilizing

highly thermally conductive metal materials, along with metal processing techniques and surface treatments, the chip temperature can be controlled within an acceptable range using water cooling. The thermal design of water-cooled heat spreaders needs to effectively dissipate the heat generated by the chips, while considering the cost and manufacturability aspects of the design for mass production.

Global key Integrated Heat Spreader (IHS) players cover Shinko, Honeywell Advanced Materials, Jentech Precision Industrial, I-Chiun, Favor Precision Technology and Shandong Ruisi Precision Industry etc. In terms of revenue, the global three largest companies occupied for a share nearly 85% in 2024.

In terms of heat spreaders size, in past few years, the large size (35*35mm and Above) heat spreaders grew faster, the share will be 66.8% in 2031, from 51.15% in 2024.

In terms of materials, in 2024 the copper heat spreaders are dominating the market, hold 86.14% and in next six years, the stainless steel heat spreaders will grow faster.

In terms of application, in past few years, PC CPU/GPU is the largest application, hold 52.07% in 2024, while Server/Data Center are growing faster.

The future trends in technology will focus on personalized lifestyles, environmental sustainability, aging societies, and human-machine interface. As computer functions become more diverse, computation becomes more complex and faster, and new packaging processes emerge, the demand for heat spreaders with excellent heat dissipation capabilities will increase.

Heat spreaders are fundamental in thermal management in electronic design. In cases where natural convection is insufficient for timely heat dissipation, and forced convection using fans is not yet necessary, heat spreaders are widely used as a solution.

With the advancement of performance and miniaturization processes, the number of transistors in relation to the chip area has increased. This complexity in circuit design does not always result in a 100% improvement in performance. As a result, a significant portion of electrical energy is converted into thermal energy. Additionally, as process miniaturization progresses, leakage power consumption increases, leading to higher power requirements and waste heat generation within the same unit area. Furthermore, with the trend towards compact desktop computers and all-in-one functionality, future mini PCs will need to handle multiple tasks such as information processing and

multimedia performance simultaneously. Therefore, effective heat dissipation becomes crucial, making heat spreaders an indispensable solution for efficient thermal management.

Major thermal solution providers are actively exploring new market applications, including gaming consoles, communication devices, servers, automotive electronics, home electronics, and smartphones. The emerging trends of cloud services and the Internet of Things (IoT) in the market contribute to the increasing demand for servers and data centers. As a result, the need for effective heat dissipation in central processing units (CPUs) and connectors becomes more prominent and represents a promising area for further exploration.

This report is a detailed and comprehensive analysis for global Integrated Heat Spreader (IHS) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Integrated Heat Spreader (IHS) market size and forecasts, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Integrated Heat Spreader (IHS) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Integrated Heat Spreader (IHS) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Integrated Heat Spreader (IHS) market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Pcs), and ASP (US\$/Pcs), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Integrated Heat Spreader (IHS)
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Integrated Heat Spreader (IHS) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Shinko, Honeywell Advanced Materials, Jentech Precision Industrial, I-Chiun, Favor Precision Technology, Niching Industrial Corporation, Fastrong Technologies Corp., ECE (Excel Cell Electronic), Shandong Ruisi Precision Industry, HongRiDa Electronics (HRD), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Integrated Heat Spreader (IHS) market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Heat Spreader for FC (Flip Chip)

Heat Spreader for BGA

Market segment By Size

Large Size (35*35mm and Above)

Small Size (35*35mm Below)

Market segment By Material

Copper Heat Spreader

Stainless Steel Heat Spreader

Market segment by Application

PC CPU/GPU Package

Server/Data Center/AI Chip Package

Automotive SoC/FPGA Package

Gaming Console

Others

Major players covered

Shinko

Honeywell Advanced Materials

Jentech Precision Industrial

I-Chiun

Favor Precision Technology

Niching Industrial Corporation

Fastrong Technologies Corp.

ECE (Excel Cell Electronic)

Shandong Ruisi Precision Industry

HongRiDa Electronics (HRD)

TBT Co., Ltd

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Integrated Heat Spreader (IHS) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Integrated Heat Spreader (IHS), with price, sales quantity, revenue, and global market share of Integrated Heat Spreader (IHS) from 2021 to 2026.

Chapter 3, the Integrated Heat Spreader (IHS) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Integrated Heat Spreader (IHS) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Integrated Heat Spreader (IHS) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Integrated Heat Spreader (IHS).

Chapter 14 and 15, to describe Integrated Heat Spreader (IHS) sales channel, distributors, customers, research findings and conclusion.

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