

# Global Direct-To-Chip Liquid Cold Plate Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Direct-To-Chip Liquid Cold Plate market size will reach 259.84 Million USD in 2025 and is projected to reach 7,008.66 Million USD by 2032, with a CAGR of 60.11% (2025-2032). Notably, the China Direct-To-Chip Liquid Cold Plate market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

A Direct-To-Chip (DTC) liquid cold plate is an advanced cooling solution designed to directly dissipate heat from high-performance electronic components, such as CPUs, GPUs, or power modules. This technology uses liquid coolant to absorb and transport heat away from the chip through a metal cold plate, which is placed in direct contact with the chip's surface. The cold plate features internal channels or microstructures to maximize thermal conductivity and enhance the cooling efficiency of the circulating liquid. DTC liquid cold plates are widely used in applications where traditional air cooling is insufficient, such as in data centers, high-performance computing, and advanced industrial systems. By offering superior thermal management, they help maintain optimal operating temperatures, improve energy efficiency, and extend the lifespan of critical electronic components.

The major global manufacturers of Direct-To-Chip Liquid Cold Plate include AVC, Auras, Shenzhen Cotran New Material, Shenzhen FRD, Cooler Master, CoolIT Systems, Nidec, Forcecon, Boyd, KENMEC, etc. The global players competition

landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Direct-To-Chip Liquid Cold Plate. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Direct-To-Chip Liquid Cold Plate market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Direct-To-Chip Liquid Cold Plate market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Direct-To-Chip Liquid Cold Plate industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Direct-To-Chip Liquid Cold Plate Include:

AVC

Auras

Shenzhen Cotran New Material

Shenzhen FRD

Cooler Master

CoolIT Systems

Nidec

Forcecon

Boyd

KENMEC

Direct-To-Chip Liquid Cold Plate Product Segment Include:

Copper Type

Copper+Aluminum Type

Direct-To-Chip Liquid Cold Plate Product Application Include:

CPU

GPU

Others

## **Chapter Scope**

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