

Comparison of manufacturers in the copper-iron co-fired inductor industry chain

AI server manufacturer

Inspur/New H3C/Super Fusion

Applications: AI training/inference

Whole machine requirements:

Motherboard + GPU high-current power supply

Huawei

Purpose: Ascend server/liquid cooling

Requirements: High density, high-frequency co-firing

Dell/HPE/Supermicro

Purpose: Global AI server/OEM

Requirements: High current, high reliability

Quanta/Inventec

Purpose: ODM cloud server

Requirements: Large quantity, cost optimization

AI storage/data center

NetApp/Pure/DDN

Purpose: Enterprise-level AI storage array

Requirements: Controller, power module

Huawei/Inspur/New H3C

Purpose: Distributed/Cold Storage

Requirements: Stable power supply, long lifespan

Xingrongyuan/Shanyan/Jiangbolong

Purpose: Domestic AI storage solution

Requirements: Domestic substitution, high cost-effectiveness

IBM/Hitachi

Purpose: high-end all-in-one storage device

Requirements: Automotive-grade quality, wide temperature range

AI power supply/chip/solution

NVIDIA/AMD/Intel

Purpose: GPU/acceleration card core power supply

Requirements: ultra-high current, high frequency, small size

Huawei Ascend/Cambricon

Purpose: Domestic AI chip solution

Requirements: Domestic inductance, fixed-point pump label

Delta/LITE-ON/Comfort

Purpose: Server power supply/48V solution

Requirements: High power, high efficiency

MPS/Infineon/TI

Purpose: VRM/PMIC reference design

Requirements: Scheme binding, specified model

main suppliers of such inductors in the world

Platinum Tech New Materials (leader)

Purpose: AI chip/GPU main power inductor

Customers: NVIDIA, Huawei, Inspur
SUNLORD Electronics

Purpose: For AI servers/general use with domestic chips

Customers: Inspur, New H3C, Cambricon

Microgate Technology

Purpose: high-frequency, small-sized, power module

Customers: Google, Huawei, MPS

Murata/TDK/Taiyo Yuden

Purpose: International high-end, quality backup

Customers: AMD, Intel, Hynix