



Paving the way for sustainable AI

We power AI

May 2024



Infineon and you – driving the AI revolution

Our technologies and AI-models drive the development of energy-efficient, high-performance and reliable AI applications of the future – and thus for your successful market entry.



We power AI

Creating a more sustainable future by providing technologies to reduce power losses and cooling costs in greener data centers of the future.



We enable and provide AI

Supporting customer's innovation with semiconductor solutions, software, and tools that help deliver AI innovation quickly, efficiently, and at scale.



We use AI

Moving forward for high-quality solutions by adopting AI across the organization for smarter products and more streamlined processes.



We power AI

Exponential growth in global data by 2030

146-fold

increase of **data volume**
expected between 2010-2025

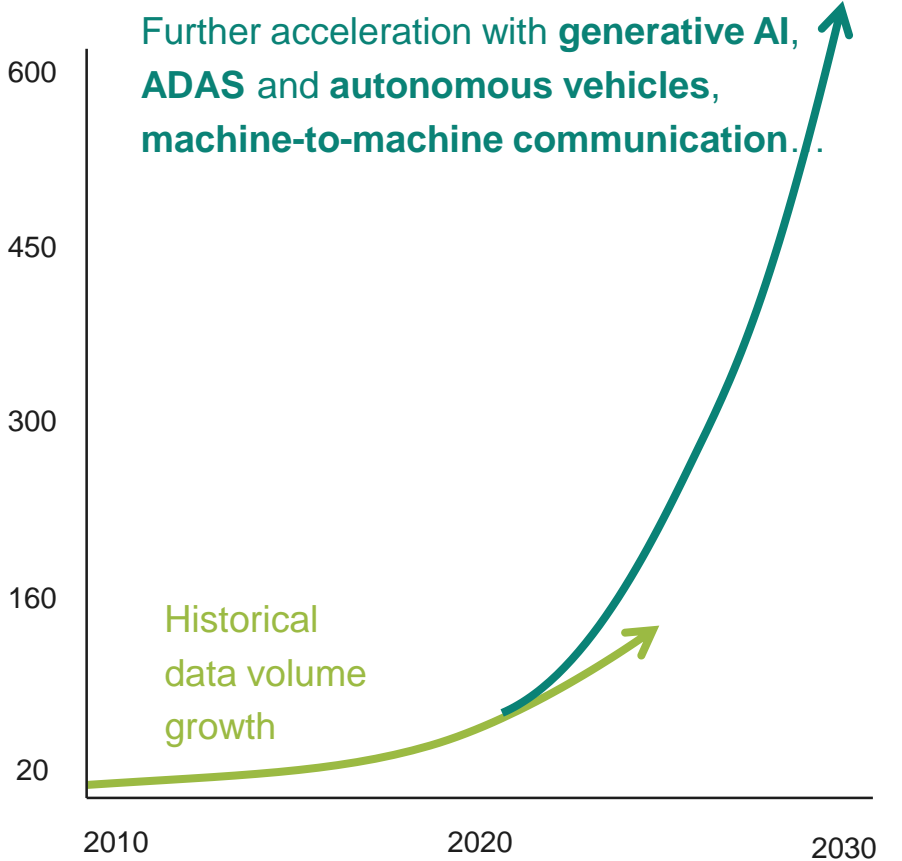
30 %

CAGR of data volume growth by 2030

97 %

of the data is stored with **no active use**

Data volume in zettabyte (per year)

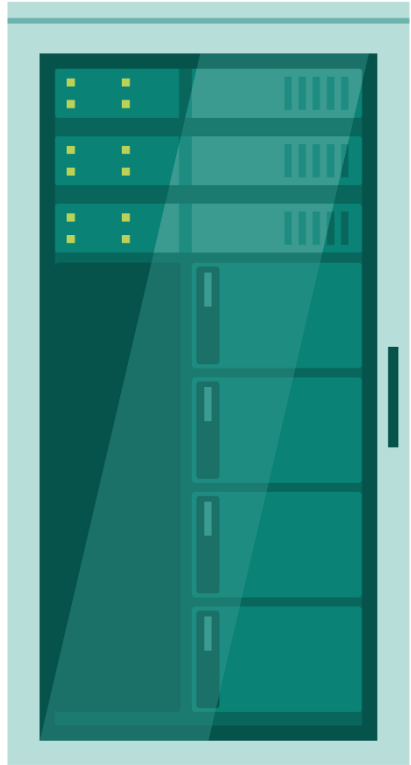


1 ZB = **1.000.000.000.000 GB**

Sources: Statista, NCTA - The Internet & Television Association; Thrive Global; IDC White Paper; UBS; Infineon estimate

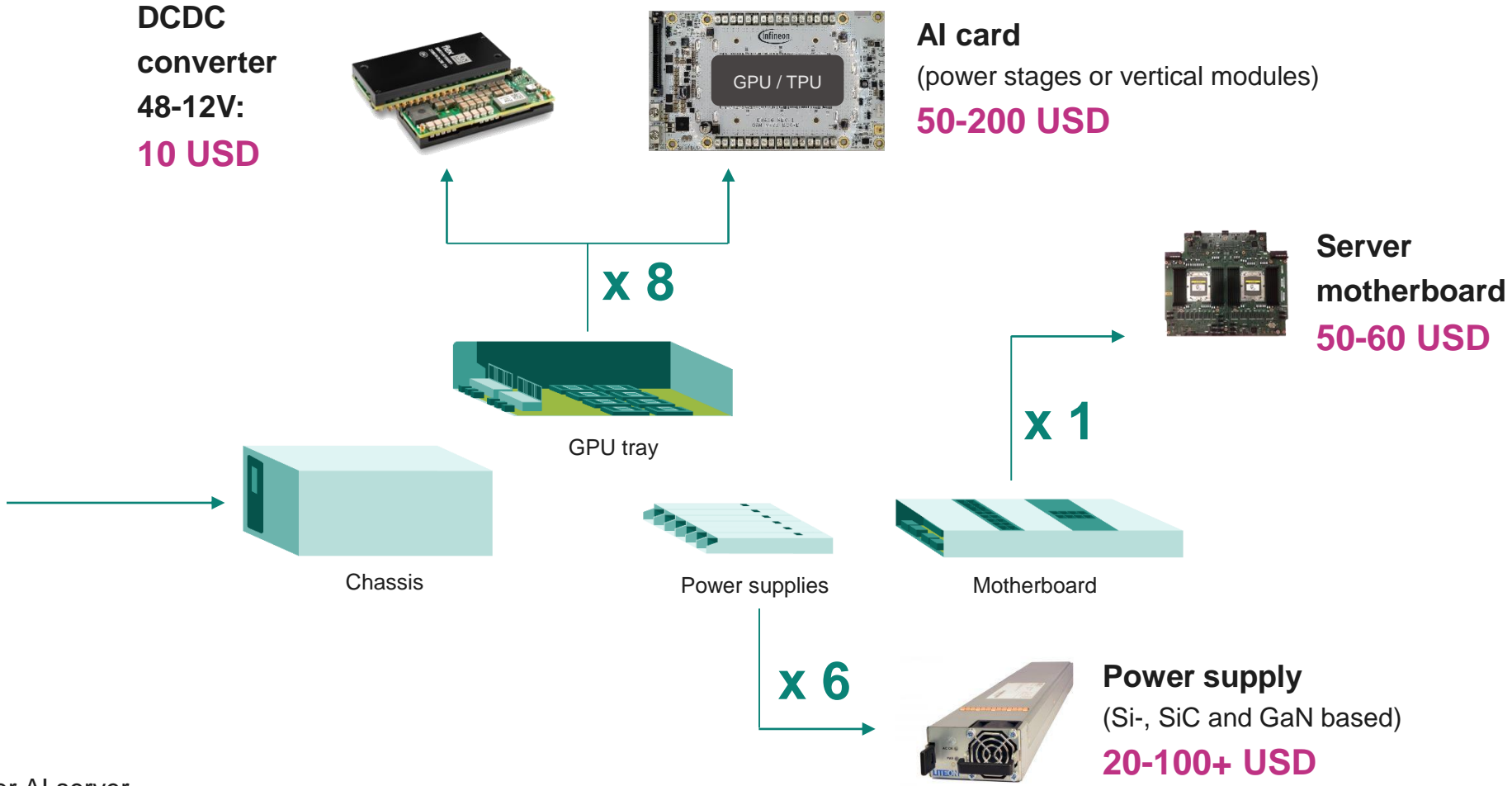
Infineon offers power semiconductor solutions with increased energy efficiency compared to existing solutions

Average Infineon BOM per AI server about 850 to 1800 USD



1 Server rack includes
4 AI servers

USD = potential Infineon content per AI server



We power greener AI, shaping the future with our solutions

*Technology can help us
save the planet!*

> 22 million

metric tons

CO₂ equivalent

could be saved by using Infineon
products in all data centers.



Sources: Infineon assumption and calculation (2022); [IEA](#)

We master all...



System innovation with leading companies



Industry-leading **system and innovation expertise**



Best-in-class in **efficiency** and **lowest cost of ownership**



Full control of quality and supply- through **vertically integrated manufacturing flow**

