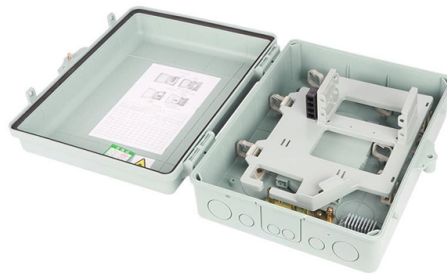


Huawei Internet Data Center



Article Overview

Huawei Internet Data Centers (IDCs) are high-density, AI-ready, and modular facilities designed for efficiency, scalability, and secure cloud computing.

Overview

Huawei Internet Data Centers are engineered to support modern digital infrastructure, including cloud computing, big data, and AI workloads. They emphasize high-density deployments (12–15 kW per rack), green energy usage, and intelligent operations to optimize power, cooling, and resource management. These data centers are designed for fast delivery, flexible resource allocation, and secure operations, ensuring reliable service for Internet and enterprise applications.

AI-Ready and Intelligent Infrastructure

Huawei has introduced AI-powered Data Centers (AI DCs), transforming traditional facilities into "computing factories" capable of handling large-scale AI workloads. The AI DC design addresses challenges such as heat dissipation, power distribution, floor load capacity, and integrated cabling, providing reference designs for high-density AI equipment. These centers support GW-scale intelligent computing clusters, enabling rapid deployment of AI models and intelligent services.

CloudDC Services

Huawei CloudDC integrates public cloud resources with dedicated data center infrastructure, offering Tier 3+ reliability and a "One center + Seven layers of defen...

Article Content

Feb 04, 2026

Worldwide Infrastructure-HUAWEI CLOUD

Cloud Firewall Anti-DDoS Service Managed Threat Detection Data Security Center SSL Certificate Manager Cloud Bastion Host

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Huawei AI Data Center Reference Design

Product Brief The Huawei PowerPod FusionPower9000 provides a decoupled and flexible power supply and distribution system

Nov 02, 2025

Data Center 2030

Data Center 2030 New data centers that are diverse, ubiquitous, secure, and smart, and support zero

Oct 29, 2025

Huawei Releases the Full-Stack Data Infrastructure Solution of AI Data ...

[Paris, France, May 25, 2026] At the Huawei Innovative Data Infrastructure (IDI) Forum 2026 held on May 21, Yuan Yuan, Vice

May 22, 2026

Huawei Unveils Innovations in Data Centers for ...

Huawei held its first Data Center Innovation Summit themed Leading AI DC Innovation for an Intelligent Future during

May 17, 2026

Data Center Facility & Power Solutions | Huawei Digital

Explore a modern data center facility with an integrated data center power solution that improves

Sep 07, 2025

Huawei Data Center Facility Handbook 20230425-1 | PDF

It provides an overview of their modular UPS solutions, modular data center solutions, smart cooling solutions,

Apr 18, 2026

Data Center/OTT

Huawei's Cloud Data Center enables Internet service innovation, management of massive amounts of data, and use of AI to improve

Aug 22, 2025

Internet Data Center | High Density Data Center | Huawei Digital Power

Discover our Internet Data Center services, featuring High Density Data Centers designed for maximum efficiency, scalability, and

Apr 01, 2026

Huawei's Bold Vision: Building Reliable Data Centers for the AI Future

Huawei drives the AI era with reliable, modular data centers, fast deployment, smart cooling, and 99.999%

Feb 26, 2026

CloudDC_Huawei Cloud

The zone housing your servers is located in a Huawei public cloud data center, providing the same access latency as on the public

Jun 08, 2026

rechenzentrumsinfrastruktur | Huawei

Entdecken Sie Huawei's Rechenzentrumsinfrastruktur-Lösungen mit modularer Architektur, hoher Effizienz und intelligenter

Oct 27, 2025

Data Center Portfolio Solution | Huawei Enterprise

Huawei has launched a series of data center portfolio and individual solutions to underpin the construction of new data centers.

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Network Switches | Huawei Enterprise

Data Center Switches CloudEngine data center switches — Ethernet switches widely used in diverse applications and in different

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Rechenzentrums-Portfolio-Lösungen von Huawei

Presse & Veranstaltungen Presse Huawei Unveils Innovations in Data Centers for Better and Faster AI DC Construction Huawei held

Jun 02, 2026

Version 2024 Data Center 2030

In September 2021, Huawei published the Intelligent World 2030 report, alongside a series of reports on different focus domains.

Aug 06, 2025

Huawei Enterprise Networking

Huawei Enterprise Network offers an extensive range of switching, routing, Wireless Local Area Network (WLAN), and network

Feb 09, 2026

Advantages_Service Overview_Cloud Data Center-Huawei Cloud

Huawei Cloud provides extremely reliable Tier 3+ equipment rooms and has systematic data center construction

Aug 02, 2025

Huawei Releases Data Center 2030, Leading Innovation and

The Data Center 2030 report was released by Huawei at HUAWEI CONNECT 2023. Aiming to guide the innovative

Jan 01, 2026

Huawei redefines AI infrastructure at MWC 2026

Huawei's dual strategy - reconstructing AIDC core systems for data center customers and implementing AI-Powered

Nov 05, 2025

Where is Huawei Driving AI Data Centres of the Future?

Huawei's data centre and AI capabilities are being applied across sectors from government to transport and energy,

Mar 11, 2026

Prefabricated Modular Data Center | Huawei Digital Power

Huawei delivers prefabricated modular data center solutions with One Module One DC and container data center designs, enabling

Nov 14, 2025

All Products and Solutions

Directory of Huawei enterprise IT infrastructure products, solutions, and services.

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Huawei showcases new AIDC solutions

Built around all-flash storage and unified data management, it is designed to accelerate

Jul 09, 2026

Data Center Network

So lution s Xinghe Intelligent Ultra-Resilient Data Center Network Huawei's Xinghe Intelligent Ultra

Jul 14, 2026

OceanStor Data Storage

Huawei's data storage systems offer high-capacity, low-latency, active-active data duplication, and

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High Density Internet Data Center & IDC Solutions

Discover our Internet Data Center services, featuring high-density data centers built for efficiency,

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Internet Data Center | High Density Data Center

Discover our Internet Data Center services, featuring High Density Data Centers designed for maximum efficiency, scalability, and

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Decarbonizing Data Centers: Huawei Enables China Unicom

Decarbonizing Data Centers: Huawei Enables China Unicom Guangzhou to Build Energy-Efficient and Eco-friendly Data Centers

Sep 10, 2025

Datacenter Virtualization Solution (DCS)

Huawei's DCS builds lightweight, flexible, diversified, and open data center infrastructure for enterprises, enabling enterprises to go

Dec 19, 2025

Data Center Switches

Data Center Switches CloudEngine Data Center Switches — Ethernet switches widely used in diverse

May 15, 2026

global-infrastructure_HUAWEI CLOUD

Global Layout Huawei Cloud operates in 102 availability zones across 34 regions, serving a wide range of customers in Asia Pacific,

Feb 27, 2026

Advancing Industrial All Intelligence

Huawei Enterprise provides a broad range of innovative ICT infrastructure products and solutions for vertical industry and enterprise

Jan 25, 2026

FusionModule2000 Smart Modular Data Center

Huawei FusionModule2000 is a modular data center solution with smart modules, integrating power,

Contact Us

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