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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6269-2024

Technical requirements for internal data center networks based on FDN

基于FDN的数据中心内部网络技术要求

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6269-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the technical requirements for the internal network of a data center based on the Future Data Network (FDN), including the functional architecture of the data center network based on FDN, network initialization, network forwarding plane function, network control plane function and network management function. This standard is applicable to the construction and development of a data center network based on FDN.

YD/T 6269-2024 falls under ICS 33.060, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

YD/T 3909-2021 - Vehicle emergency call system based on public telecommunication network - Requirements and architecture

YD/T 3910-2021 - Vehicle emergency call system based on public telecommunication network - Technical requirements and test method of the vehicle emergency rescue platform

YD/T 1761-2012 - Technical requirements for web accessibility

YD/T 6643-2026 - Computing power network and application for industrial Internet - General technical requirements

YD/T 6270-2024 - Technical requirements for broadband multi-service network virtualization based on FDN

YD/T 6267-2024 - Future Data Network (FDN) Application Scenarios and Requirements

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 21

Prefix YD/T: recommended standard.

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