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ICS 33.040.40
CCS M32

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 6069.1-2024

## Technical requirements for open converged network equipment for network edge nodes - Part 1: General architecture

面向网络边缘节点的开放融合网络设备技术要求 第1部分：总体架构

**(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 6069.1-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

It is one of 2 parts of the YD/T 6069 series.

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.

## 2 Scope Preview

This standard specifies the technical requirements for an open converged network device for network edge nodes, including the overall architecture of the converged device, device module design, maintainability requirements and environmental requirements. This standard applies to the development and production of open converged network equipment for network edge nodes.

YD/T 6069.1-2024 falls under ICS 33.040.40, 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

Other parts of this standard:

YD/T 6069.2-2024 - Part 2: Frame

Standards on related subjects:

YD/T 2375-2019 - Technical requirements for high accuracy time synchronization

JT/T 1076-2016 - GNSS System for Operating Vehicles - Technical Specifications for Vehicle Video Terminal

YD/T 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

YD/T 6079-2024 - Technical requirements for operation, management and maintenance of deterministic bearer networks

YD/T 6068-2024 - Overall architecture and technical requirements of IP bearer network for aggregation layer edge cloud

## 5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): M 32

Prefix YD/T: recommended standard.



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