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ICS 35.240.50
CCS M10

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6571-2025

Industrial internet edge computing - Technical requirements and testing standards of edge controller

工业互联网边缘计算边缘控制器技术要求及测试方法

(English Translation)

Issued on: December 17, 2025 **Implemented on: April 1, 2026**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6571-2025

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1 Foreword

YD/T 6571-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 April 2026.

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 and testing methods for industrial internet edge controllers, including edge controller hardware requirements and functional requirements and corresponding testing methods for network switching, control, data acquisition and processing, protocol conversion, programming, collaboration, management, and security. This standard is applicable to industrial internet edge controllers, specifying their functional requirements and providing testing and selection guidance. Other similar edge controllers can refer to this section.

YD/T 6571-2025 falls under ICS 35.240.50, in the field of information technology.

This catalogue holds 725 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:

GB/T 47325-2026 - Security technical requirements and test methods for over-the-air updates in the internet of vehicles

GB/T 47324-2026 - Cybersecurity protection requirements for internet of vehicles platforms

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 6017.4-2026 - The capability evaluation system of cyber security products - Part 4: Security products testing methods based on deployment methods

YD/T 6562-2025 - Identification and resolution system for the Industrial Internet - Fertilizer - Identification coding

YD/T 6561-2025 - Identification and resolution system for the Industrial Internet - Cables - Identification coding

5 Classification and status

International classification (ICS): 35.240.50

Chinese Standard Classification (CCS): M 10

Prefix YD/T: recommended standard.

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