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ICS 35.210
CCS L77

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6116.7-2025

Computing Power Interoperability Requirements - Part 7: Cloud Environment Multi-GPU Unified Development Framework

算力互联互通能力要求第7部分：云环境多GPU统一开发框架

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6116.7-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 April 2026.

It is one of 6 parts of the YD/T 6116 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 a unified development framework for multi-GPU computing in cloud environments, including a computing infrastructure layer, a computing execution layer, a compatibility and adaptation layer, and an application layer. This standard applies to GPUs and related products and solutions that support this unified development framework and can serve as a general requirement for third-party organizations designing and applying them.

YD/T 6116.7-2025 falls under ICS 35.210, 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

Other parts of this standard:

YD/T 6116-2024 - Industrial Internet - Campus network - 5G network deployment technical requirements

YD/T 6116.1-2024 - Computing power interconnection capability requirements - Part 1: General framework

YD/T 6116.2-2025 - Part 2: Computing Power Scheduling

YD/T 6116.4-2025 - Part 4: Data Flow

YD/T 6116.5-2025 - Part 5: Computing Power Identification

Standards on related subjects:

GB/T 25000.51-2016 - Systems and software engineering -- Systems and software Quality Requirements and Evaluation (SQuaRE) -- Part 51: Requirements for quality of Ready to Use Software Product (RUSP) and instructions for testing

GB/T 20918-2007 - Information technology - Software life cycle processes - Risk management

GB/T 11457-2006 - Information technology Software engineering terminology

5 Classification and status

International classification (ICS): 35.210

Chinese Standard Classification (CCS): L 77

Prefix YD/T: recommended standard.

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