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ICS 35.240.50
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4494-2023

Industrial Internet Edge Computing Edge Node Model and Requirements Edge Gateway

工业互联网边缘计算 边缘节点模型与要求 边缘网关

(English Translation)

Issued on: December 20, 2023 **Implemented on: April 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4494-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

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 reference model and functional requirements for industrial Internet edge gateways, including system architecture, interface requirements, equipment functions, operation management and maintenance requirements, performance and environment, power supply requirements, etc. This standard applies to edge gateways in industrial Internet edge computing nodes.

YD/T 4494-2023 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:

CJ/T 188-2018 - Technical requirements of utility meters data transmission

YDC 079-2009 - Technical Specifications and Testing Methods of Wireless LAN for Mobile Terminals

YD/T 4839.3-2026 - Technical requirements for collaborative management and control of IP network and optical network - Part 3: Interface information model between coordination layer and single domain management control system

YD/T 4497-2023 - Industrial Internet Identity Analysis Authoritative Analysis Protocol and Technical Requirements

YD/T 4493-2023 - Industrial Internet edge computing needs

5 Classification and status

International classification (ICS): 35.240.50

Chinese Standard Classification (CCS): L 78

Prefix YD/T: recommended standard.

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