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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 3421.4-2024

Broadband Customer Intelligent Gateway Based on Public Telecommunications Network - Part 4: Technical requirements for the interface between the gateway and the gateway management platform

基于公用电信网的宽带客户智能网关 第4部分：网关与网关管理平台间接口技术要求

(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 3421.4-2024 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 14 parts of the YD/T 3421 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 interface technical requirements between broadband customer intelligent gateways and gateway management platforms based on public telecommunications networks, including the interface technical requirements for gateway registration and authentication management, gateway function configuration management and plug-in configuration management. This standard applies to the design, development, production and operation of broadband customer gateway management platforms and broadband customer intelligent gateways based on public telecommunications networks.

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YD/T 3421.4-2024 is filed under Chinese Standard Classification M33, in the field of telecommunications and broadcasting.

This catalogue holds 2,288 other YD/T standards without an ICS number.

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

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 3421.1-2018 - Broadband customer intelligent gateway based on public telecommunication network--Part 1: General requirements

YD/T 3421.2-2019 - Broadband customer intelligent gateway based on public telecommunication network. Part 2: Technical requirements for home intelligent gateway

YD/T 3421.3-2021 - Broadband customer intelligent gateway based on public telecommunication network - Part 3: Technical requirements of gateway management platform

YD/T 3421.5-2021 - Broadband customer intelligent gateway based on public telecommunication network - Part 5: General requirements for control and management between broadband customer intelligent gateway and intelligent terminal equipment

YD/T 3421.6-2019 - Broadband customer intelligent gateway based on public telecommunication network. Part 6: Requirements for fault diagnosis parameters

YD/T 3421.7-2021 - Telecommunication Network - Part 7: Technical Requirements for Enterprise Intelligent Gateway

YD/T 3421.8-2021 - Broadband customer intelligent gateway based on public telecommunication network - Part 8: Technical requirements for intelligent home networking device

YD/T 3421.9-2020 - Broadband customer intelligent gateway based on public telecommunication network - Part 9: Technical requirements for interface between home intelligent gateway and intelligent home networking equipment

YD/T 3421.10-2021 - Broadband customer intelligent gateway based on public telecommunication network - Part 10: Technical requirements for wireless mesh networking

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YD/T 3421.12-2022 - Broadband customer intelligent gateway based on public telecommunication network - Part 12: Technical requirements for residential intelligent gateway security

YD/T 3421.14-2023 - Broadband customer intelligent gateway based on public telecommunications network - Part 14: Technical requirements for wireless mesh networking interoperability

YD/T 3421.15-2026 - Broadband customer intelligent gateway based on public telecommunication network - Part 15: Security technical requirements for intelligent gateway integrating IPTV set-top box functions

YD/T 3421.16-2025 - Broadband customer intelligent gateway based on public telecommunication network - Part 16: Security technical requirements for intelligent home networking device

Standards on related subjects:

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

GB/T 9771.1-2008 - Single-mode optical fibres for telecommunication -- Part 1: Characteristics of a dispersion unshifted single-mode optical fibre

GB/T 18480-2001 - Specification for submarine optical fiber cables

5 Classification and status

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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