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ICS 33.050
CCS M42

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 3421.14-2023

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

基于公用电信网的宽带客户智能网关 第14部分：无线mesh组网互通技术要求

(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 3421.14-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

It is one of 16 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 data model, interface, protocol and interaction process requirements for household broadband customer intelligent gateway mesh networking interworking in a broadband customer network based on a public telecommunications network. This standard applies to the interoperability of mesh networking equipment in broadband customer networks based on public telecommunications networks, including smart gateways and wireless routers. Other home network interoperability can also be used as a reference.

YD/T 3421.14-2023 falls under ICS 33.050, 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 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 3421.4-2024 - Broadband Customer Intelligent Gateway Based on Public Telecommunications Network - Part 4: Technical requirements for the interface between the gateway and the gateway management platform

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 - Broadband Customer Intelligent Gateway Based on Public 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 3421.11-2022 - Broadband customer intelligent gateway based on public telecommunication network - Part 11: Intelligent gateway integrating IPTV set-top box function

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 3421.13-2022 - Broadband Customer Intelligent Gateway Based on Public Telecommunication Network - Part 13: Security Technical Requirements for Enterprise Intelligent Gateway Equipment

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 1092-2023 - Telecommunication cables - Foamed polyolefin dielectric, corrugated copper-tube outer conductor, 50 Ohm radio-frequency coaxial cable for wireless communications

YD/T 2165-2010 - Technical specification of modular uninterruptible power systems for telecommunications

YD/T 841-1996 - Underground communication pipe with plastic pipe

5 Classification and status

International classification (ICS): 33.050

Chinese Standard Classification (CCS): M 42

Prefix YD/T: recommended standard.

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