

ICS 35.240
CCS L 70



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/Z 228-2026

**Artificial intelligence - Technical requirements for home large
model**

(English Translation)

Issued on: August 27, 2026

Implemented on: January 1, 1800

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

Preface	
1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4 System Framework	1
4.1 Overview	1
4.2 Network Layer	2
4.3 Model Layer	2
4.4 Application Layer	4

Foreword

This document is a standard or guiding technical document.

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1.Structure and Drafting Rules of Standardization Documents".

Drafting.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Information Technology Standardization Technical Committee (SAC/TC28).

1 Scope

This document establishes the system framework of the smart home big model and specifies the technical requirements for each layer, including the model layer, network layer, and application layer.

This document applies to the research, design, and application of large-scale home models by smart home manufacturers.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this

document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 41387-2022 Information Security Technology - General Security Specification for Smart Homes

GB/T 41867-2022 Terminology for Information Technology and Artificial Intelligence

3 Terms and Definitions

The terms and definitions defined in GB/T 41867-2022, as well as the following terms and definitions, apply to this document.

3.1

modality

Artificial intelligence systems can perceive, identify, process, and generate information and data in specific forms and types.

3.2

Based on deep learning technology and trained using large-scale home-related data, it possesses multimodal understanding, reasoning, and decision-making capabilities for smart home applications.

Artificial intelligence models for living environments.

Transforming visual, auditory, and other sensory signals into cognitive information such as understanding, reasoning, decision-making, and language, for interconnected devices within the home space.

It enables intelligent control and has capabilities such as edge computing and data storage, allowing for natural interaction between devices and users.

3.4

Household equipment

Electrical appliances or smart devices deployed in the home environment and controlled by a home smart hub system.

4.1 Overview

The home appliance model comprises four logical layers. the device layer, the network layer, the model layer, and the application layer, as shown in Figure 1. The device layer consists of the physical objects...

The terminal layer provides connectivity and communication, the model layer provides

intelligent capabilities, and the application layer provides business functions. See Appendix A for types of home appliances.

This document does not specify anything regarding the equipment layer.

END: Draft Version (GBZ228-2026)

chinastandards.org - PREVIEW