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

GB/T 46348-2025

**Information technology - Learning, education and training -
Function requirements for mobile learning terminals**

信息技术 学习、教育和培训 移动学习终端功能要求

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Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.Abbreviations	1
5.Application Scenarios of Mobile Learning Terminals	2
6.Functional Requirements of Mobile Learning Terminals in Self-Directed Learning Scenarios	2
6.1 Delivery of Teaching Content	2
6.2 Interaction of Teaching Information	2
6.3 Teaching Process Management	4
7.Functional Requirements of Mobile Learning Terminals in Group Teaching Scenarios	4
7.1 General Requirements	4
7.2 Delivery of Teaching Content	4
7.3 Interaction of Teaching Information	4
7.4 Teaching Process Management	5
8.Requirements for Copyright Protection of Digital Educational Resources	6
9.1 Basic Requirements for User Personal Data Privacy Protection	6
9.2 Requirements for the Protection of Minors Online	6
10.Audiovisual health requirements	6
10.1 Basic Requirements for Visual Health	6
10.2 Basic Requirements for Hearing Health	6
11.Hardware Basic Capability Requirements	7
11.1 General Requirements	7
11.2 Display Performance Requirements	7
11.3 Communication requirements	8
11.4 Camera Performance Requirements	8
11.5 Environmental adaptability	8
11.6 Reliability	8
8 References	9

Foreword

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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). This document was drafted by: Tsinghua University, East China Normal University, China Electronics Technology Standardization Institute, China National Institute of Standardization, Beijing. The Municipal Higher Education Association, Beijing Century Good Future Education Technology Co., Ltd., iFlytek Co., Ltd., and Guangzhou Vision Electronic Technology Co., Ltd. The company, Shanghai Squirrel Cloud Artificial Intelligence Technology Co., Ltd., Guangdong Xiaotiancai Technology Co., Ltd., and Beijing Gaosi Bole Education Technology Co., Ltd. Limited Liability Company, NetEase Youdao (Hangzhou) Intelligent Technology Co., Ltd., New Cloud Network Technology Group Co., Ltd., Beijing Guorentong Education Technology Co., Ltd. The company, Shandong Digital Human Technology Co., Ltd., Shanghai Yangtze River Delta Electronic Paper Industry Technology Promotion Center, and Beijing Bohui Technology Co., Ltd. The company, Guangzhou Xibeisi Intelligent Technology Co., Ltd., Beijing Yiren Yiben Information Technology Co., Ltd., China Mobile (Hangzhou) Information Technology Co., Ltd. Shandong Yuezhi Education Technology Co., Ltd., Chengdu Product Quality Supervision and Inspection Institute, Ningbo City Vocational and Technical College. The main drafters of this document are. Du Jing, Qian Dongming, Yang Yong, An Ning, Guo Yu, Cai Jianqi, Tang Yunfeng, Yu Yuntao, Li Fei, Li Haixia, and Wang Ning. Hu Tingyu, Liu Zitao, Huang Xiaoshan, Liang Jing, Li Xingwu, Lin Huanhuan, Zhou Junhua, Guo Zhongwu, Ye Jian, Fan Xing, Zhou Yuliang, Sang Yuxia, Jiang Wei Meng Xu, Li Chuan, Cao Xiaoye, Tian Mi, Zhou Weiwei, Zhu Kexin, Wei Yu, Duan Haitao, Chen Zhiqin, Han Zhen, Chen Yafang, Liu Jibing, Liu Bin, Wu Bin Pan Xiao, Wang Mingyan, Mao Zheng, Luo Xin, Liang Li, Guo Ya, Zuo Qiang, Wang Ting, Jiang Nan, Han Yanxiao, Li Zhenpeng, Zhang Quanqi, Yu Rongrong, Ye Hongwu, Hu Huizhong Luo Hong, Cen Jie, Guo Wensheng, Guan Shimin, Feng Guohua, Wang Wanbin, Pan Ruyue, Ren Jianxin, Sun Jie, Zhang Ye, Li Jun, Ding Dawei, Li Xiang. Information technology learning, education and training Mobile learning terminal functional requirements

1 Scope

GB/T 46348-2025 is the Chinese national standard covering the tablet or reader used for schoolwork - the learning functions it must provide and the ones it must be able to lock out, the offline working, the eye protection and usage limits, the content management, and the handling of a minor's data. First edition, in force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026.

This document specifies the functional requirements for tablet-based mobile learning terminals in two application scenarios. self-directed learning and group teaching. This document applies to the production, use, and application development of tablet-type mobile learning terminals.

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 4208 Degrees of protection provided by enclosures (IP code)

GB 15629.11 Information technology systems - Telecommunication and information exchange - Part 11, specific requirements for local area networks and metropolitan area networks Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Using a touchscreen as the basic input/output device, integrating an operating system, utilizing wireless communication network technology for data communication, and loading educational... Educational applications. tablet-type digital terminal devices with pre-installed digital educational resources.

3.2 An index based on composite physiological indicators to evaluate the effects of light and light media on changes in human visual physiological function and eye fatigue.

Note. This indicator is independent of physical indicators (spectral energy distribution, color temperature, color rendering index, illuminance, brightness, flicker, color gamut, etc.) and is based entirely on the perspective of human visual function. An objective and quantitative indicator for evaluating the impact of illumination and light media on the physiological function of human vision, primarily used to evaluate the effects of lighting, display, and optical lens products on... The visual fatigue effect on the human eye under optical angles is abbreviated as "VICO".

4. Abbreviations The following abbreviations apply to this document. IP. Ingress Protection rating

5 Application Scenarios of Mobile Learning Terminals

Mobile learning terminals, as digital learning and teaching tools, have two main application scenarios.

---Self-directed learning scenarios refer to individual learners utilizing educational applications and resources provided by mobile learning terminals anytime, anywhere for digital learning. Digital self-directed learning or self-help learning.

---A group teaching scenario refers to a situation where a teacher guides multiple students within a specific timeframe using a digital teaching environment and resources, conducting a generally unified learning activity. In group face-to-face teaching activities, mobile learning terminals, in addition to providing educational applications and resources, are also used in group teaching scenarios. In face-to-face teaching for teachers and learners in group teaching. The functions of mobile learning terminals in both scenarios are categorized according to teaching content delivery, teaching information interaction, and teaching process management.

---The delivery of teaching content mainly includes loading, sending, and playing digital educational resources;

---Teaching information interaction mainly includes information interaction and feedback in digital teaching activities, and provides a variety of interaction methods;

---Teaching process management mainly includes various learning tasks, learning tools, learning applications, and learning progress in digital teaching activities. Management and monitoring.

6 Functional Requirements of Mobile Learning Terminals in Self-Directed Learning Scenarios

6.1 Delivery of Teaching Content

6.1.1 Display of Educational Resources Regarding the display of educational resources, mobile learning terminals should meet the following requirements.

- a) Provide the educational resources that accompany the product promise;
- b) Functionality that supports users in conducting self-directed learning using digital educational resources;
- c) Capable of playing and displaying teaching resources that meet the technical requirements of JY/T 0650;
- d) It can display teaching content and teaching dynamic information in real time;
- e) It has the function of sending and receiving digital files through local, cloud and other means.

6.1.2 Electronic Notes Mobile learning devices should provide electronic note-taking functionality, enabling students to summarize their learning and manage their notes independently. Mobile learning devices should ideally support electronic pen writing.