

ICS 35.160
CCS L 66



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

GB/T 18787-2002

Replacing GB/T 18787-2002

**Information technology -- Electronic book -- Part 1: General
specification of device
(English Translation)**

Issued on: December 31, 2015

Implemented on: January 1, 2017

Issued by: Standardization Administration of China

Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and definitions
4 3 Technical requirements
5 Test methods
6 Quality assessment procedures
7 Signs, packaging, transportation and storage
Appendix A (normative) Classification and failure criterion

Foreword

GB/T 18787 "Information technology - e-book" into the following sections.

- Part 1. General specification;
- Part 2. Format;
- Part 3. Metadata;
- Part 4. identification;

This section GB/T Part of 118,787.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 18787-2002 "electronic book reader universal norms", compared with the GB/T 18787-2002, in addition to editing Modifications, mainly technical changes are as follows.

- Increased terms and definitions (see Chapter 3);
- Revised requirements for Chinese information processing (see 4.3, 2002. Version 5.5.);
- Increased network requirements (see 4.6);
- Revised the functional requirements (see section 4.7 and 5.7);
- An increase of some performance requirements and test methods (see 4.8 and 5.8);
- Increasing the requirements and test methods (see 4.12.2 and 5.12.6) free fall;
- Revised reliability requirements (see 4.13, 2002 edition 5.13.);

--- Increase the limit requirements and test methods for restricted substances (see 4.14 and 5.14);

--- Increased battery requirements and test methods (see 4.15 and 5.15).

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This part of the National Information Technology Standardization Technical Committee (SAC/TC28) and focal points.

This section is drafted. Hanwang Technology Co., Ltd., China Electronics Standardization Institute.

1 Scope

GB/T 18787 provisions of this part of the e-book device (hereinafter referred to as "Product") terms and definitions, technical requirements, test methods, Quality assessment procedures and signs, packaging, transportation and storage.

This section applies to electronic paper or liquid crystal display products, and other electronic paper or liquid crystal display device and to read Design and manufacturing as the core of a portable electronic products.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs GB/T 1988 Technical information interchange bit coded character set GB/T 2421.1 electric and electronic products environmental testing and Overview Guide GB/T 2422 Test Method Test Environment guidelines for the preparation of terms and definitions GB/T 2423.1 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold GB/T 2423.2 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat GB/T 2423.3 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test GB/T 2423.5 Environmental testing for electric and electronic products Part 2. Test methods Test Ea and guidance. Shock GB/T 2423.6 Environmental testing for electric and electronic products Part 2. Test methods - Test Eb and guidance. Bump GB/T 2423.8 Environmental testing for electric and electronic products Part 2. Test methods Test Ed. Free fall GB/T 2423.10 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling

plan GB/T 4857.2 Basic tests for transport packages - Part 2. Temperature and humidity conditioning GB/T 4857.5 packaging transport package drop test methods GB 4943.1 Security Information technology equipment - Part 1. General requirements GB/T 5080.7 Equipment reliability testing efficiency constant failure rate assumption under the MTBF of test plans GB/T 5271.14 Information technology - Vocabulary - Part 14. Reliability, maintainability and availability GB/T 6107 using serial binary data interchange data terminal equipment and data circuit terminating equipment interfaces between GB 6345.1 Information technology - Chinese ideogram coded character set (basic set) - 32 dot matrix font - Part 1. Arial GB 6345.2 Information technology - Chinese ideogram coded character set (basic set) - 32 dot matrix font - Part 2. blackbody GB 6345.3 Information technology - Chinese ideogram coded character set (basic set) - 32 dot matrix font - Part 3. italics GB 6345.4 Information technology - Chinese ideogram coded character set (basic set) - 32 dot matrix font - Part 4. italics Radio disturbance characteristics - Limits and methods of measurement GB 9254 information technology equipment GB/T 11460 Chinese character fonts IT requirements and test methods GB 13000 Information technology - Universal Multiple-Octet Coded Character Set (UCS) GB/T 15732 Chinese character keyboard input common set of words