

ICS 35.160
CCS L 62



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

GB/T 9813-2000

**General specification for computer -- Part 1: Desktop
microcomputer
(English Translation)**

Issued on: August 29, 2016

Implemented on: March 1, 2017

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

Table of Contents

Preface
1 Scope
2 Normative reference document
3 Terms and definitions
Technical requirements
4.1 Design requirements
4.2 Appearance and structure
4.3 Functions and Performance
4.4 Security
4.5 Power supply capacity
4.6 Noise
4.7 Electromagnetic compatibility
4.8 Environmental conditions
4.9 Reliability
4.10 Limit requirements for restricted substances
4.11 Energy requirements
5 Test Methods
5.1 Environmental conditions for testing
5.2 Appearance and structure inspection
5.3 Function and performance check
5.4 Safety test
5.5 Power Adaptability Test
5.6 Noise test
5.7 Electromagnetic compatibility test
5.8 Environmental tests
5.9 Reliability Test
5.10 Limited testing of restricted substances
5.11 Energy consumption test
6 Quality assessment procedures
6.1 General provisions
6.2 Inspection Classification
6.3 Qualification test

6.4 Inspection by batch

6.5 Periodic Inspection

Foreword

GB/T 9813 "Computer Generic Specification" is divided into the following sections.

- Part 1. desktop microcomputers;
- Part 2. Portable microcomputers;
- Part 3. Server;
- Part 4. Industrial applications - Microcomputers;
- Part 5. Green computers;
- Part 6. Flat microcomputers;

This part is part 1 of GB/T 9813.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part of the replacement GB/T 9813-2000 "microcomputer general specification", compared with GB/T 9813-2000 main technical changes as follows.

- modified the scope of the standard (see Chapter 1, 2000, Chapter 1);
- modified terms and definitions (see Chapter 3, 2000, Chapter 3);
- increased harmonic current requirements and test methods (see 4.7.2, 5.7.2);
- Increased limits on material requirements, test methods and labeling requirements (see 4.10, 5.1, 7.1);
- increased energy requirements and test methods (see 4.11, 5.11);
- Modification of noise requirements and test methods (see 4.6, 5.6, 2000, 4.6, 5.6);
- modified environmental conditions and reliability requirements (see 4.8, 4.9, 4.9, 2000, 4.8).
- the original Appendix C (Appendix C of the 2000 edition) was deleted;
- Added Appendix C (normative appendix) desktop microcomputer typical energy consumption test method (see Appendix C).

1 Scope

This part of GB/T 9813 specifies the technical requirements, test methods, and quality assessment procedures for desktop microcomputers (hereinafter referred to as products) Order and mark, packaging, transportation and storage.

This part is suitable for the design and manufacture of desktop microcomputers.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 191 packaging and storage icon GB/T 1988 Seven - bit coded character set for information technology information exchange Plugs and socket - outlets for household and similar purposes - Part 1. General requirements GB/T 2421.1 Environmental and Environmental Testing of Electrical and Electronic Products GB/T 2422 Environmental testing - Test methods - Guidelines and definitions GB/T 2423.1 Environmental testing for electric and electronic products - Part 2. Test methods - Test A. Low temperature GB/T 2423.2 Environmental testing for electric and electronic products - Part 2. Test methods - Test B. High temperature GB/T 2423.3 Environmental testing for electric and electronic products - Part 2. Test methods - Test Cab. constant damp heat test GB/T 2423.5 Environmental testing for electric and electronic products - Part 2. Test methods - Test Ea and Guidance. Impact GB/T 2423.10 Environmental testing for electric and electronic products - Part 2. Test methods - Test Fc. Vibration (sinusoidal) GB/T 2828.1 Sampling inspection procedures Part 1. Batch inspection sampling plan for retrieval by quality limit (AQL) GB/T 4857.2 Packaging - Transport packages - Basic test - Part 2. Temperature and humidity regulation GB/T 4857.5 Packaging transport package drop test method GB/T 4857.20 Test method for collision test of packaging and transport packages Information technology - Safety of equipment - Part 1. General requirements GB/T 5080.7 Equipment reliability test Verification test of failure rate and mean time between failures under constant failure rate assumptions Information technology - Glossary - Part 14. Reliability, maintainability, and availability GB 6345.1 Information technology Chinese character encoding character set (basic set) 32 dot matrix font type 1. song GB 6345.2 Information technology Chinese character encoding character set (basic set) 32 dot matrix font type 2. bold GB 6345.3 Information technology Chinese character code character set (basic set) 32 dot matrix font type 3. italics GB 6345.4 Information technology Chinese character code character set (basic set) 32 dot matrix font type 4.

GB 9254 Radio disturbance limits and measurement methods for information technology equipment Method for detecting Chinese characters in information technology GB/T 11460 GB 13000 Information technology Universal multi-octet character set (UCS) GB/T 15732

Chinese word keyboard input with a common phrase set GB 15934 electrical accessories wire assemblies and interconnecting wire assemblies GB 16793.1 Information technology Universal multi-octet character set (CJK unified Chinese characters) 24 dot matrix font The first part. Arial