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

GB/T 17971.1-2010

**Information technology -- Keyboard layouts for text and office
systems -- Part 1: General principles governing keyboard
layouts**

信息技术 文本和办公系统的键盘布局 第1部分：指导键盘布局通则
(English Translation)

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Foreword

GB/T 17971 in the "Keyboard Layout Information technology - Text and office systems," the general title, currently consists of the following eight sections.

--- Part 1. General guidance keyboard layout (ie, GB/T 17971.1);

--- Part 2. Alphanumeric section (ie, GB/T 17971.2);

Complementary layouts of the alphanumeric zone of the alphanumeric partition (ie, GB/T 17971.3);. --- Part 3

--- Part 4. Digital area (ie, GB/T 17971.4);

--- Part 5. Editing area (ie, GB/T 17971.5);

--- Part 6. functional areas (ie, GB/T 17971.6);

--- Part 7. Symbols used to represent functions (ie, GB/T 17971.7);

--- Part 8. Distribution on the numeric keypad letters (ie, GB/T 17971.8).

This section GB/T 17971 Part 1.

This part identical with ISO/IEC 9995-1. Keyboard Layout Part 12006 "Information technology - Text and office systems. Guidance General Keyboard Layout "(in English).

Appendix A of this section is an informative annex.

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

This part of the main drafting units. China Electronics Standardization Institute.

Introduction

GB/T 17971 Information Technology Equipment (ITE) defines a framework for a keyboard layout. Keyboard functions respectively corresponding to the four Complete physical keyboard.

This standard keyboard by dividing different functional areas, and orient design provides users with a unified, open interface. The primary standard to accommodate today's task is to use the keyboard application system requires a variety of character sets, the main solution is for each alphanumeric key area Assign one or more graphic characters or control functions.

Keyboard layouts for text and office IT systems Part 1. General rules governing keyboard layouts

1 Scope

GB/T 17971 specifies the various characteristics of information technology equipment (ITE) used by the keyboard. For example the following ITE.

Computer a) having an alphanumeric keypad, workstations, computer terminals, visual display device (VDT), typewriter.

b) has a numeric keypad calculators, telephones, automatic teller machines (ATM).

GB/T 17971-defined keyboard is the usual linear keyboard. It is divided into several areas in physics, each district is divided into several partitions, partition Placed within the various keys.

This section GB/T 17971 specifies the shape of the keyboard area and relative placement. This section contains the key spacing and physical characteristics, that positioning principle characters and symbols.

This section provides information technology equipment (ITE) applications on the numeric keypad, alphanumeric keyboard, or both keyboard composite keyboard (with Hereinafter referred to as "composite keyboard") key numbering system.

This section provides the information technology equipment (ITE) applications on the numeric keypad, alphanumeric keyboard, or composite characters and symbols keyboard row Column rules. This section applies to a different language, but the main instruction applies to left to right, top to bottom of the written language.

The main layout of the alphanumeric partition established in accordance with national standards and national idiom. Layout Distribution Guide reference GB/T 17971.2.

Supplementary layout reference GB/T 17971.3.

This section defines the relevant characteristics of the interface 1 in Figure 1.

GB/T 17971 specifies the key (key graphic characters and control function keys) the function assignment. According to usage, given the graphic character and control functions common name. In general, we do not want the keyboard to produce encoded control function, however, data exchange, for a Control function key operation likely to trigger a number of coded control functions.

The Effect keyboard state of the keys by the GB/T 17971 other parts of the regulations.

2.1 Compliance with this section

When the device to meet Chapter 5 Chapter 9 requirement that comply with this section. Based on the use of equipment for different purposes, without achieving the described all district and subdistrict.

2.2 General requirements compliance

Claiming compliance with this standard keyboard, at least in this section and all other portions of a particular model in line with the relevant keyboard.

And GB/T 17971.7 does not comply with the requirements of GB/T 17971 in line with other parts.

And GB/T 17971.8 does not meet the requirements of the rest of GB/T 17971 compliance.

2.3 Compliance claims

In line with GB/T should be listed in any particular part of the claim that the 17971 conforms.

3 Normative References

The following documents contain provisions which, through reference GB/T 17971 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.