

ICS 35.180
CCS L73



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

GB/T 18031-2016

Replacing GB/T 18031-2000

**Information technology - Generic specification for Chinese
character input with digital keyboard**

信息技术 数字键盘汉字输入通用要求

Issued on: April 25, 2016

Implemented on: November 1, 2016

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

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard compared with GB/T 18031-2000, in addition to editorial changes in the main technical changes are as follows: - updated the standard in the normative reference document (see Chapter 2); - modified the definition of the "numeric keypad", "average code length" and "reword word key selectivity" in the terms and definitions, and added the "vocabulary" pen Painting "" stroke "" Chinese character parts "definition (see Chapter 3);

--- Removed key setting range (see

4.1 of 2000 version);

--- modify the contents of the vocabulary, coding, key settings (see 4.1,

--- modify the contents of the average word length of Chinese characters (see 4.7);

--- modify the contents of the Chinese word re-code word key rate (see 4.8);

--- Added symbol (see 4.3);

--- Added mixed input (see 4.5);

--- Added auxiliary key setting (see 4.6);

--- Added test requirements (see Chapter 5);

--- Added reference. This standard is proposed and centralized by the National Information Technology Standardization Technical Committee (SAC/TC28). The drafting unit of this standard. Guangdong State Pen Technology Co., Ltd., China Electronic Technology Standardization Research Institute, Guangdong fruit technology shares Limited, Shenzhen City, the fruit of Information Technology Co., Ltd. The main drafters of this standard. high-precision chain, Chen Hai, Lu Huaxing, Huang Xinchun, Wang Xin, He Zhengnan, Zhao Jinghua. This standard replaced the previous version of the standard release.

--- GB/T 18031-2000.

The issuer of this document draws attention to the fact that the statement conforms to this document and may involve

4.5 with the "200410058330.2 text input fast Switching technology "related to the use of patents. The issuer of this document has no position on the authenticity, validity and scope of the above patents. The above-mentioned patent holder has assured the issuing authority of this document that he is willing to cooperate with any applicant in a reasonable and non-discriminatory terms and conditions Under the patent license to negotiate. The statement of the patent holder has been filed with the issuing authority of this document. Related information can be passed The following contact information is. Name of Patent Holder. Guangdong Pen Technology Co., Ltd Address. Tianhe District, Guangzhou City, East Road, No. 132 Yangcheng International Trade Center West Tower 1303 Contact. high precision chain Tel. 020-38871888 Please note that in addition to the above patents, some of the contents of this document may still involve patents. The issuer of this document does not undertake to identify these specialties Lee's responsibility. Information technology - Digital keyboard - Generic requirements for Chinese characters input

1 Scope

GB/T 18031-2016 is the Chinese national standard on information technology - generic specification for chinese character input with digital keyboard, in the field of information technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 25 April 2016 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2016. Classification: ICS 35.180, CCS L73. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the general requirements for the use of numeric keypad for Chinese character input in information technology products. This standard applies to the Chinese character input method based on the numeric keypad, the Chinese character input technology and its products.

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 18030 Information technology Chinese coded character set

GB/T 25741 Information technology Chinese character coding character set Chinese

characters first order and pen order The fifth session of the First National People's Congress passed the 1958-02-11 "Putonghua different words word list" national language work committee, the State Board of Education, Radio and Television issued 1985- 12-27 "Information processing with GB 13000.1 character set Chinese character parts specification"

3 Terms and definitions

The following terms and definitions apply to this document.

- 3.1 Numeric keypad digitalkeyboard A ten-digit key containing 0 to 9, and a keyboard for information input operation using a plurality of auxiliary keys.
- 3.2 Word repertoire A specified set of characters represented by the encoded character set.
- 3.3 Stroke stroke Constitute the regular Chinese characters of the smallest pen unit.
- 3.4 Stroke strokeorder When writing Chinese characters, the order and direction of strokes.
- 3.5 Chinese character component Chinesecharactercomponent The composition of Chinese characters consists of several strokes. Example. "Han" word and two parts, "to accompany" there Fu, legislation, mouth three components.
- 3.6 Average code length averagecodelength When entering a given test sample, measure the average number of keystrokes per character input.