

ICS 35.240.15

CCS L63



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

GB/T 18240.2-2018

Replacing GB 18240.2-2003

Fiscal cash register - Part 2: Specification for fiscal IC card

税控收款机 第2部分：税控IC卡规范

Issued on: June 7, 2018

Implemented on: January 1, 2019

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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Foreword

GB/T 18240 "tax control cash register" is divided into six parts.

--- Part 1. Machine specifications;

--- Part 2. Tax Control IC Card Specification;

--- Part 3. Tax Controller Specification;

--- Part 4. Bank card acceptance equipment specifications;

--- Part 5. Tax Control Printer Specification;

--- Part 6. Device coding rules. This part is the second part of GB/T 18240. This part is drafted in accordance with the rules given in GB/T 1.1-2009. This part replaces GB/T 18240.2-2003 "Tax Control Cash Register Part 2. Tax Control IC Card Specification". This part and Compared with GB/T 18240.2-2003, the main technical changes except editorial changes are as follows:

--- Increased the content of tax multi-application, one-machine multi-voting application, one-machine multi-user application;

---Modified the original instructions;

--- Modified the original part of the field length. Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying these patents. This part is proposed and managed by the National Information Technology Standardization Technical Committee (SAC/TC28). This section drafted by: Wuhan Tianyu Information Industry Co., Ltd., Inspur Qilu Software Industry Co., Ltd., State Administration of Taxation letter Center, China Electronics Technology Standardization Institute, Shenzhen Great Wall Development Technology Co., Ltd., Aerospace Information Co., Ltd., Shenzhen Sang Da Business Machine Co., Ltd., Jiangsu

Datang Electronic Products Co., Ltd., Shantou Golden Tax Technology Co., Ltd. The main drafters of this section. Liu Ying, Liu Wenbo, Yu Jing, Dong Guozhu, Wu Lizhong, Nie Huiping, Yu Zhilou, Wu Hailiang, Wang Peiyuan, Wu Guan, Gao Jian, Mu Yunling, Su Shi, Wang Xudong, Luo Cheng. The previous versions of the standards replaced by this section are.

---GB/T 18240.2-2003. Tax control cash register Part 2. Tax Control IC Card Specification

1 Scope

GB/T 18240.2-2018 is the Chinese national standard on fiscal cash register - part 2: specification for fiscal ic card, 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 7 June 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2019. Classification: ICS 35.240.15, CCS L63. 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 part of GB/T 18240 stipulates the tax control IC card (tax control card, user card) on the tax control cash register and its application technical specifications. This section applies to the design, manufacture, testing, management, distribution and application of tax control IC cards related to the application of tax control cash registers. Departments or units such as system, development, integration and maintenance can also be used as reference for IC card applications in other industries.

2 Normative references

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

GB/T 16649.1 Identification of integrated circuit cards with contacts - Part 1. Physical characteristics

GB/T 16649.2 Identification of integrated circuit cards with contacts - Part 2. Dimensions and location of contacts

GB/T 16649.3 Identification of integrated circuit cards with contacts - Part 3. Electrical signals and transmission protocols

GB/T 16649.4 Identification card integrated circuit cards - Part 4. Structures, safety and

commands for exchange

GB/T 16649.5 IC card with identification of contacts - Part 5. National numbering system and registration of application identifiers Procedure

3 Abbreviations and symbols

3.1 Abbreviations The following abbreviations apply to this document. ADF application data file (ApplicationDefinitionFile) AEF application base file (ApplicationElementaryFile) AID Application Identifier (ApplicationIdentifier) APDU Application Protocol Data Unit (ApplicationProtocolDataUnit) B binary (Binary) BCD binary coded decimal number (BinarycodedDecimal) BER basic encoding rules (BasicEncodingRules) CCYYMMDD Year, Month, Day (Year, Month, Day) CLK clock (CLOCK) DDF directory definition file (DirectoryDefinitonFile) DF special file (DedicatedFile) DIR directory (Directory) DRPK PIN Reload Key (KeyofReloadPIN) EEPROM Electrically Erasable Programmable Read-Only Memory (Electricaly Erasable Programmable Read-Only Memory) EF basic file (ElementaryFile)