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**Information technology - Uyghur, Kazak, Kirgiz coded character
set. 16×32 dot matrix font - Tuz lean**

信息技术 维吾尔文、哈萨克文、柯尔克孜文编码字符集 16×32点阵字型 正文白
体

(English Translation)

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Table of Contents

- Preface
- Introduction
- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 Graphic character
- 2 5 standard data management

Foreword

All the technical contents of this standard is mandatory.

This standard is based on GB 21669-2008 "IT Uygur, Kazak, Kirgiz coded character set" under Uygur, Kazak, Kirgiz nominal character, appeared deformed characters and common symbols, with our current standard Uighur, Kazakh Sack paper, Kirghiz text form the basis and in accordance with existing norms Uygur, Kazak, Kirgiz orthographic principles, design and provides information systems Uygur, Kazak, Kirgiz 16 x 32 dot matrix text white body (see Appendix A) fonts.

The Standard Annexes A and B are informative annex, Annex C is normative appendix.

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

This standard was drafted. China Electronics Standardization Institute, Xinjiang Uygur Autonomous Region National Language Commission, Weifang Beida Jade Bird Huaguang Phototypesetting Ltd., Xinjiang Uygur Autonomous Region Information Industry Department.

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Introduction

Authorization to use the relevant font data transfer matters, to maintain the standard font data, updating and revision of unity is responsible for the centralized units.

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1 Scope

This standard specifies the GB 21669-2008 in Uygur, Kazak, Kirgiz character 16 x 32 dot matrix text white body font.

This standard applies to the Uygur, Kazak, Kirgiz information systems, but also for other related equipment.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 21669-2008 IT Uygur, Kazak, Kirgiz coded character set GB 13000 Information technology - Universal Multiple-Octet Coded Character Set (UCS) (GB 13000-2010, ISO/IEC 10646:2003, IDT)

3 Terms and Definitions

The following terms and definitions apply to this standard.

Font glyph

One kind of recognizable abstract graphic symbol, it does not depend on any particular design.

Font font

Glyph image set having the same basic design, such as. text white body.

Bitmap fonts dotmatrixfont in a collection of dots to show the graphic character type (shape).

Font width the effective width of the dot graphic characters.

Word order characterorder Graphic character in the set are arranged according to certain rules of order.

4 Graphic character

4.1

The number of characters this standard is based on GB 21669-2008 provisions provided Uygur, Kazak, Kirgiz 190 graphic characters, in which.

Uygur, Kazak, Kirgiz behalf of 42 characters;

Uygur, Kazak, Kirgiz deformed characters appear 143;

Uygur, Kazak, Kirgiz share numbers, punctuation marks, special symbols 5.

4.2

A character sequence this standard provides 190 Uygur, Kazak, Kirgiz nominal character, appeared deformed characters and common symbols font They are arranged in the order specified in GB 13000.

5 Standard data management

In order to strengthen the exchange of information with the product with Uighur, Kazakh, Kirghiz management font and text-based data standards, to ensure that this Standards in the implementation of data consistency and correctness to authorize the use of font data transfer matters, to maintain the standard font data, Updating and revision of the responsibility of the unified centralized units.

The method represents bitmap fonts

6.1 Grid

Equidistant grid by a number of vertical and horizontal lines intersect to form.

This standard specifies that the 16 x 32 dot matrix font, which is a horizontal grid 16 grid, 32 longitudinal grid. The center of each square is set at the center position of the point.

Raster Only constituting each lattice point to locate, 16 x 32 dot matrix grid shown in Figure 1.

Figure 1 16 x 32 dot raster

6.2 Points

Point is the smallest unit constituting the lattice-shaped, circular indicated that it is located within the black areas of the parties to the grid.

6.3 Lattice words

Words Uygur, Kazak, Kirgiz graphic character bitmap fonts from a number of points placed within the grid to set the table Shown. Uygur, Kazak, Kirgiz, "" the words of 16 x 32 dot matrix shown in Figure 2.

Figure words 2 16 x 32 dot matrix letters for ""

6.4 Font width information

Uygur, Kazak, Kirgiz is unequal width font, each character has its own specific width, the width of the font width Information table to represent, see Appendix B.

7.1 Font data

Uygur, Kazak, Kirgiz 16 x 32 dot matrix font data representation, see Appendix C.

Table 7.2 bitmap fonts

GB 21669-2008 in the 190 Uighur This standard provides, Kazakh, Kirgiz graphic character 16 x 32 dot matrix White body text fonts are shown in Table 1.

Table 1 Uygur, Kazak, Kirgiz Text table

Appendix A

(Informative)

White body text

White body text means straight correct font. Uygur, Kazak, Kirgiz belongs to the type of alphabetic writing, from right line section to the left, all the characters showed their different widths. White body is the body of long-term use Arabic text-based process, after repeated repair Complete change after the formation of a unique style. Body white body as the center dash, clean, beautiful, bold strokes, vigorous, moderate length, vertical painting roughness of 2/3 crude pen, in a straight shape, gives a serious, steady feeling.

White body is the body of Uygur, Kazak, Kirgiz standard fonts, high practical value, using a wide range, mainly for newspapers Printed books, the handwriting is the first choice and calligraphy plaque with the word.

Appendix B

(Informative)

Font width information table Uygur, Kazak, Kirgiz is unequal width font, each character has its own specific width, font width information table it defines the effective width of the standard 190-character dot pattern, see Table B.1.

Table B.1 font width information table

Wide code word code word code word wide wide wide code word code word code word
wide width 060C 3 0678 14 FBAD 9 FBF2 11 FEA5 11 FED7 7 061B 3 067E 12 FBD3 12
FBF3 13 FEA6 12 FED8 8 061F 7 0686 11 FBD4 16 FBF4 11 FEA7 11 FED9 12 0626 11
0698 7 FBD5 11 FBF5 13 FEA8 13 FEDA 16 0627 2 06AD 12 FBD6 12 FBF6 14 FEA9 8