Font table structure V1.2

First part---1 byte character

The font table consists of three parts:

- 1. Font number: font numbers in the table
- 2. Font offset table: (4 bytes for each character)

the address offset of each character in the font table

3. Character matrix for each character:

description	Data length (BYTE)	备注
Byte width	1	W
Pixel width	1	
Pixel height	1	Н
Data	\A/ *	Attention!!
Data	W * H	1-off, 0-on

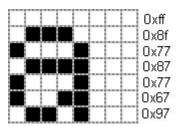
For example, the character as below:

Byte width = 1

Pixel width = 5

Pixel height = 7

Data = $\{0xff, 0x8f, 0x77, 0x87, 0x77, 0x67, 0x97\}$



For example, there are two characters (two 'a' like the picture above) in the font table, the font table will be like below:

Data	Description	
0x02	Font number = 2	
0x00, 0x00, 0x00, 0x00	Offset of the first 'a'	
0x00, 0x00, 0x00, 0x0a	Offset of the 2nd 'a'	
0x01	Byte width of 'a'	
0x05	Pixel width of 'a'	All the data of the 1st
0x07	Pixel height of 'a'	
0xff, 0x8f, 0x77, 0x87, 0x77, 0x67,	Data of the 2nd 'a'	'a'
0x97		
0x01	Byte width of 'a'	
0x05	Pixel width of 'a'	All the data of the
0x07	Pixel height of 'a'	2 nd 'a'
0xff, 0x8f, 0x77, 0x87, 0x77, 0x67,	Data of the 2nd 'a'	∠ d
0x97		

Second part---2 byte character (big 'a')

The data structure of 2-byte character is the same as 1-byte character, i.e. number of characters, offset table and data of characters.

description	Data length (BYTE)	备注
Byte width	2	W

Pixel width	12	
Pixel height	20	Н
Data	W * H=40	1-off, 0-on

For example, the character as below:

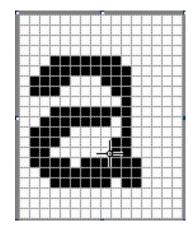
Byte width = 2

Pixel width =12

Pixel height = 20

Data = {

0xff, 0xff, 0xff, 0xff, 0xff, 0xff, 0xff, 0xff, 0xe0, 0x3f, 0xc0, 0x1f, 0x87, 0x1f, 0x8f, 0x9f,
0xff, 0xdf, 0xe0, 0x1f, 0xc0, 0x5f, 0x87, 0xdf, 0x8f, 0x09f, 0x9f, 0x9f, 0x84, 0x0f, 0xc0,
0x0f, 0xe0, 0x4f, 0xff, 0xff, 0xff, 0xff, 0xff, 0xff, 0xff



0xe0,0x3t 0xc0,0x1f 0x87,0x1f 0x8f,0x9f 0xef,0xdf 0xe0,0x1f 0x67,0x0f 0x8f,0x9f 0x9f,0x9f 0x84,0x0f 0xc0,0x0f 0xc0,0x0f

For example, there are two characters (two 'a' like the picture above) in the font table, the font table will be like below:

Data	Description
0x02	Font number = 2
0x00, 0x00, 0x00, 0x00	Offset of the first 'a'

0x00, 0x00, 0x00, 0x2b	Offset of the 2nd 'a'	
0x02	Byte width of 'a'	
0x0c	Pixel width of 'a'	
0x14	Pixel height of 'a'	
Oxff, Oxff, Oxff, Oxff, Oxff, Oxff, Oxff,	Data of the 2nd 'a'	
0xff, 0xe0, 0x3f, 0xc0, 0x1f, 0x87,		All the data of the 1st
0x1f, 0x8f, 0x9f, 0xff, 0xdf, 0xe0, 0x1f,		ʻa'
0xc0, 0x5f, 0x87, 0xdf, 0x8f, 0x09f,		
0x9f, 0x9f, 0x84, 0x0f, 0xc0, 0x0f,		
0xe0, 0x4f, 0xff, 0xff, 0xff, 0xff, 0xff,		
Oxff		
0x02	Byte width of 'a'	
0х0с	Pixel width of 'a'	
0x14	Pixel height of 'a'	
Oxff, Oxff, Oxff, Oxff, Oxff, Oxff, Oxff,	Data of the 2nd 'a'	
0xff, 0xe0, 0x3f, 0xc0, 0x1f, 0x87,		All the data of the
0x1f, 0x8f, 0x9f, 0xff, 0xdf, 0xe0, 0x1f,		2 nd 'a'
0xc0, 0x5f, 0x87, 0xdf, 0x8f, 0x09f,		
0x9f, 0x9f, 0x84, 0x0f, 0xc0, 0x0f,		
0xe0, 0x4f, 0xff, 0xff, 0xff, 0xff, 0xff,		
0xff		