Fonts

An impressive 17 different sizes and styles of fonts are a part of all 3 versions of the easyGUI package (Monochrome, Color and Unicode). This makes easyGUI a fast and convenient tool to work with. With the added flexibility of designing your own fonts, or purchase custom designed fonts from us, you always have a basic staple of very usable fonts to choose from.

Font names and pixel sizes

All easyGUI fonts are names "ANSI xxx" or "Unicode xxx". The ANSI fonts contain all characters from 32 to 255. The Unicode font contain further character sets, covering a number of languages, like Polish, Greek, Cyrillic (Russia), Hebrew (Israel), Arab, Thai, Hangul (Korean, about 12.000 characters), Simplified and traditional Chinese, Hiragana (Japan), Katakana (Japan) and Kanji (Japan).

The "xxx" in each fonts name refers to the pixel height of the full character box, i.e. a box large enough for any character in the font. Unicode fonts have two heights, the first refers to Western style characters, while the second refers to larger Asian characters, as used by China and Japan.

Font name	Font size
ANSI 7	6×11
ANSI 7 bold	7x11
ANSI 7 condensed	5x11

ANSI 9	9x14
ANSI 11	9x17
ANSI 11 condensed	8x17
ANSI 11 light	6x17
ANSI 11AA	18x20
ANSI 13	11x21
ANSI 17AA	24x29
ANSI 19	17x31
ANSI 23AA	28x37
ANSI 24	19x39
ANSI 30	21x47
Unicode 7/14 bold	15x16
Unicode 9/15	17x19
Unicode 11/16	18x20

The three Unicode fonts can also be used in ANSI projects, but only the lower character codes from 32 to 255 are accessible.

ANSI fonts presentation:

easyGUI font named: ANSI 7
easyGUI font named: ANSI 7 bold
easyGUI font named: ANSI 7 condensed
easyGUI font named: ANSI 9
easyGUI font named: ANSI 11
easyGUI font named: ANSI 11 condensed
easyGUI font named: ANSI 11 light
easyGUI font named: ANSI 11AA
easyGUI font named: ANSI 13
easyGUI font named: ANSI 17AA
easyGUI font named: ANSI 19
easyGUI font named: ANSI 23AA
easyGUI font named: ANSI 24
easyGUI font named: ANSI 30

Unicode font presentation:

easyGUI font named: Unicode 7/14 bold   你好世界

easyGUI font named: Unicode 9/15   你好世界

easyGUI font named: Unicode 11/16   你好世界

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The easyGUI font import function

When importing Windows fonts into easyGUI (or other systems targeted at the embedded world) they must be converted from vector graphics to raster graphics. This process involves a number of pitfalls. Some good advice to follow when importing vector fonts in easyGUI are mentioned in the easyGUI manual (Please see the " TTF Import" chapter).

Always import your desired font into easyGUI with plenty of space around each character, as this can later be trimmed down to the desired size.

Furthermore, start by importing a subset of characters, in order to quickly get the settings correct.

After a successful import, it will be time to adjust each character that needs adjusting, set the correct PS marks, adjust minor imperfections etc. Observe that these adjustments can also be made using the Bulk action feature.

Not all Windows vector fonts are usable for rasterisation, especially in the smaller sizes. Windows faces the same problem, as any character written on a PC display must be converted from vector format to raster format - the PC display is not different from the embedded display in this regard. Better Windows fonts add special raster corrections to the font when size go below approximately 12 point. The Windows character writing functionality is thus very complicated, and far beyond the possibilities of most embedded systems.

Please always make sure that you hold all rights to use and alter any font that you use.

Custom fonts

If you are in need of a different font, icon font, Unicode font or any specialty font, we offer custom made easyGUI fonts. We will make it to match your specifications to the smallest detail. Our fonts are always designed from scratch. Please contact us with your font requirements, to discuss prices and development times.