# **Charis - Character Set Support**

This font supports over 2,400 characters from The Unicode Standard as well as a number of Private Use Area (PUA) characters. In total, over 3,800 glyphs are included, supporting stylistic alternates for a number of characters as well as a large number of ligated sequences (e.g., contour tone letters used in phonetic transcription of tonal languages).

# **Supported characters**

The following character ranges are supported by this font:

Unicode block	Charis support
C0 Controls and Basic Latin*	U+0020U+007E
C1 Controls and Latin-1 Supplement*	U+00A0U+00FF
Latin Extended-A	U+0100U+0148, U+014AU+017F
Latin Extended-B*	U+0180U+024F
IPA Extensions*	U+0250U+02AF
Spacing Modifier Letters*	U+02B0U+02FF
Combining Diacritical Marks	U+0300U+033F, U+0346U+036F
Greek and Coptic	U+0387, U+0393U+0394, U+0398, U+039E, U+03A0, U+03A8U+03A9, U+03B1U+03B4, U+03B8, U+03BBU+03BC, U+03C0U+03C1, U+03C3, U+03C6U+03C7, U+03C9, U+03D1, U+03F4
Cyrillic	U+0400U+045F, U+0462U+0463, U+0472U+0475, U+048AU+04FF
Cyrillic Supplement*	U+0500U+052F
Combining Diacritical Marks Extended	U+1AB0U+1ABA. U+1ABFU+1AC0, U+1AC6U+1ACE
Cyrillic Extended-C	U+1C89U+1C8A
Phonetic Extensions*	U+1D00U+1D7F
Phonetic Extensions Supplement*	U+1D80U+1DBF
Combining Diacritical Marks Supplement	U+1DC2, U+1DC4U+1DCD, U+1DDA, U+1DDC, U+1DF5, U+1DFCU+1DFF
Latin Extended Additional*	U+1E00U+1EFF
General Punctuation	U+2000U+2042, U+2044, U+204A, U+2053, U+2057, U+2060U+2063, U+206AU+206F
Superscripts and Subscripts*	U+2070U+2071, U+2074U+208E, U+2090U+209C
Currency Symbols*	U+20A0U+20C0
Combining Diacritical Marks for Symbols	U+20E5, U+20ECU+20EF
Letterlike Symbols	U+210C, U+2113, U+2116U+2117, U+211F, U+2122U+2123, U+2126, U+212D, U+2135, U+214F
Number Forms*	U+2150U+218B
Arrows	

	U+2190U+219B, U+21A8, U+21AE, U+21B6U+21B7, U+21BAU+21BB, U+21D0U+21D5
Mathematical Operators	U+2202U+2206, U+220F, U+2211U+2213, U+2215, U+2219U+221A, U+221E, U+2221, U+2225U+2228, U+222B, U+223B, U+2235, U+223C, U+2248, U+225F, U+2260U+2262, U+2264U+2265, U+226EU+226F, U+U+2282U+2287, U+22BBU+22BD
Miscellaneous Technical	U+2308U+230B, U+2318, U+231CU+231F, U+2329U+232A, U+239BU+23AD, U+23D1U+23D6
Control Pictures	U+2423
Enclosed Alphanumerics	U+24B6, U+24D0
Geometric Shapes	U+25C9, U+25CAU+25CC
Miscellaneous Symbols	U+2610U+2612, U+2639U+263A, U+2640, U+2642, U+266D, U+266F
Dingbats	U+2713, U+2717, U+274D
Misc. Math. Symbols-A	U+27C2, U+27E6U+27EB
Misc. Math. Symbols-B	U+2980
Supplemental Math. Operators	U+2AFD
Latin Extended-C*	U+2C60U+2C7F
Coptic	U+2C88U+2C89
Supplemental Punctuation	U+2E00U+2E0D, U+2E13U+2E15, U+2E17, U+2E22U+2E25, U+2E28U+2E29, U+2E3AU+2E3B, U+2E3DU+2E3E
Cyrillic Extended-B	U+A69CU+A69D
Modifier Tone Letters*	U+A700U+A71F
Latin Extended-D	U+A720U+A799, U+A7A0U+A7AF, U+A7B0U+A7BF, U+A7C4U+A7CD, U+A7DAU+A7DC, U+A7F2U+A7F4, U+A7F7U+A7FF
Kayah Li	U+A92E
Latin Extended-E	U+AB30, U+AB53, U+AB5C, U+AB5E, U+AB64U+AB6B
PUA: Specials	U+F130U+F133
PUA: Modifier letters (e.g. superscripts)	U+F1A1, U+F1A3U+F1A4, U+F1AB, U+F1AE, U+F1B4U+F1B5, U+F1BC, U+F1CDU+F1CE, U+F1F1U+F1F9
PUA: Latin	U+F20D, U+F234U+F235, U+F258U+F259, U+F267U+F269, U+F26CU+F26D
PUA: Cyrillic	U+F326U+F327
Alphabetic Presentation Forms	U+FB00U+FB04
Variation Selectors*	U+FE00U+FE0F
Combining Half Marks	U+FE20U+FE23
Arabic Presentation Forms-B	U+FEFF (zero-width no-break space)
Specials*	U+FFF9U+FFFD

Unicode block	Charis support
Latin Extended-F*	U+10780U+10785, U+10787U+107B0, U+107B2U+107BA
Mathematical Alphanumeric Symbols	U+1D40C, U+1D504U+1D505, U+1D50A, U+1D50EU+1D510, U+1D513U+1D514, U+1D516U+1D517, U+1D519
Latin Extended-G*	U+1DF00U+1DF1E, U+1DF25U+1DF2A
Cyrillic Extended-D	U+1E030U+1E049, U+1E04BU+1E06B, U+1E06D, U+1E06F
Enclosed Alphanumeric Supplement	U+1F12F
Emoticons	U+1F610

<sup>\*</sup>This block is fully supported as of Unicode 15.0.

# Private-use (PUA) characters

There are a number of private-use characters that are supported in this font. These conform to SIL Global's corporate registry for usage of the Unicode private-use areas. Characters which are not yet in Unicode are shown below.

### **Specials**

- U+F130 FONT BASELINE AND SIDE-BEARING MARKER LEFT
- U+F131 FONT BASELINE AND SIDE-BEARING MARKER RIGHT
- U+F132 FONT VERTICAL METRICS MARKER LEFT
- U+F133 FONT VERTICAL METRICS MARKER RIGHT

#### **Modifier Letters**

• U+F1CD MODIFIER LETTER SMALL CAPITAL U BAR

#### Latin

- U+F20D LATIN CAPITAL LETTER D WITH STROKE AND HOOK
- U+F258 LATIN LETTER SMALL CAPITAL I OVER SMALL SCHWA
- U+F259 LATIN LETTER SMALL UPSILON OVER SMALL SCHWA
- U+F26D LATIN SMALL LETTER B WITH LEFT HOOK

## **Cyrillic**

- U+F326 CYRILLIC CAPITAL LETTER GHE WITH STROKE AND DESCENDER
- U+F327 CYRILLIC SMALL LETTER GHE WITH STROKE AND DESCENDER

### **Deprecated SIL Corporate PUA characters**

Some characters formerly in the PUA have been added to Unicode, and so have been deprecated in our fonts. Those PUA characters are displayed as black boxes containing a white image of the deprecated glyph.

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