GxPDF

Enterprise PDF Library for Go

Professional PDFs in any language

Unicode Support Demonstration

English:	Hello, World! Professional PDF generation.
Russian:	Привет, мир! Профессиональная генерация PDF.
Ukrainian:	Привіт, світ! Професійна генерація PDF.
Bulgarian:	Здравей, свят! Професионално генериране на PDF.
Greek:	Γειά σου κόσμε! Επαγγελματική δημιουργία PDF.
Polish:	Cześć, świecie! Profesjonalne generowanie PDF.
Czech:	Ahoj, světe! Profesionální generování PDF.
German:	Hallo, Welt! Professionelle PDF-Erstellung.
French:	Bonjour le monde! Génération PDF professionnelle.
Spanish:	¡Hola, mundo! Generación de PDF profesional.
Turkish:	Merhaba dünya! Profesyonel PDF oluşturma.

Special Symbols:

Mathematical: ∑ ∏ ∫ √ ∞ ≠ ≤ ≥ ± × ÷ π θ α β γ δ

Currency: $ € £ ¥ ₽ ₴ ¢ ₹ ₱

Arrows: → ← ↑ ↓ ↔ □□□□□

Key Features

• Full Unicode Support

Latin, Cyrillic, Greek, and 65,000+ characters with proper fonts

• Font Embedding

TrueType/OpenType fonts with automatic subsetting

• Professional Graphics

Lines, rectangles, circles, polygons, Bezier curves

• Gradient Fills

Linear and radial gradients with multiple color stops

• Document Security

RC4 and AES encryption (40/128/256-bit)

• Table Extraction

100% accuracy on complex documents (740/740 transactions)

• Interactive Forms

Text fields, checkboxes, radio buttons, dropdowns

• Zero Dependencies

Pure Go implementation, standard library only

Quick Start Example:

```
font, _ := creator.LoadFont("fonts/Arial.ttf")
page.AddTextCustomFont("Привет мир!", 100, 700, font, 24)
c.WriteToFile("output.pdf")
```

Technical Specifications

PDF Version:	1.7 (ISO 32000-1:2008)
Go Version:	1.25+
Dependencies:	Standard library only
Font Support:	Standard 14 + TTF/OTF embedding
Unicode:	Full BMP support (U+0000 to U+FFFF)
Encryption:	RC4 (40/128-bit), AES (128/256-bit)
Compression:	FlateDecode (zlib)
Images:	JPEG, PNG with alpha
License:	MIT

Performance Metrics

• Table extraction:	**~500 pages/second**
• Text extraction:	**~1000 pages/second**
• PDF generation:	**~100 pages/second**
• Memory usage:	**<50MB for 1000-page documents**

Resources

GitHub: github.com/coregx/gxpdf

Documentation: pkg.go.dev/github.com/coregx/gxpdf