



# GxPDF

Enterprise PDF Library for Go

Pure Go | Zero Dependencies | Production Ready

## ■ 100% Accuracy

Table extraction tested on 740+ transactions

## ■ Enterprise Security

AES-256 & RC4 encryption support

## ■ Full Featured

Create, read, merge, split, encrypt

[github.com/coregx/gxpdf](https://github.com/coregx/gxpdf)

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## PDF Reading & Extraction

- Parse any PDF 1.0 - 2.0 document
- Extract text with position information
- Extract tables with 4-Pass Hybrid algorithm
- Extract images (JPEG, PNG)
- Read document metadata and properties

## PDF Creation & Editing

- Create new PDFs from scratch
- Standard 14 fonts + TTF/OTF embedding
- Graphics: lines, rectangles, circles, polygons
- Images: embed JPEG and PNG
- Merge, split, and rotate pages

## Security & Encryption

- AES-128 and AES-256 encryption
- RC4 40-bit and 128-bit encryption
- Password protection (user & owner)
- Permission controls (print, copy, edit)

## Export & Integration

- Export tables to CSV, JSON, Excel
- CLI tool for scripting and automation
- Clean Go API with comprehensive docs
- Context support for cancellation

Language	Pure Go (no CGO)
Go Version	1.21+
License	MIT
Dependencies	Zero external dependencies
PDF Versions	1.0 - 2.0
Platforms	Linux, macOS, Windows
Architectures	amd64, arm64, 386

## Performance Benchmarks

- > Table extraction: ~200ms for 15-page document
- > PDF creation: 28.4 us/page
- > Text rendering: 11.2 us/operation
- > Memory: ~15MB peak for complex documents

### Quick Start

```
doc, _ := gxpdf.Open("document.pdf")
tables := doc.ExtractTables()
csv, _ := tables[0].ToCSV()
```

Ready to Get Started?

`go get github.com/coregx/gxpdf@v0.1.0`