

NewPrintManager

```
int FXPM_NewPrintManager();
```

Description

This function creates a new instance of the Foxit Print Manager. The value returned can be used as a managerID parameter in all the other functions. Call InitPrintManager to initialize the print manager.

GetPrintManagerErrorCode

```
int FXPM_GetPrintManagerErrorCode(int managerID);
```

Description

Returns an error code from the most recent function call.

Parameters

int managerID A value returned from the **NewPrintManager** function.

Returns

- | | |
|---|--|
| 0 | No error |
| 1 | Unknown or general error |
| 2 | Invalid parameter |
| 3 | Cannot find specified print manager, invalid printManagerID |
| 4 | Cannot find specified print job, invalid jobID |
| 5 | Cannot initialize Foxit PDF SDK, invalid sn or key parameter |
| 6 | File not found |
| 7 | File open error |
| 8 | Incorrect password |
| 9 | Invalid printer name |

InitPrintManager

```
int FXPM_InitPrintManager(int managerID, const char* sn, const char* key);
```

Description

This function is used to initialize the print manager.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	sn	The serial number for Foxit PDF SDK.
const char*	key	The license key for Foxit PDF SDK.

Returns

- | | |
|---|-----------------------|
| 0 | Initialization failed |
| 1 | Success |

ReleasePrintManager

```
void FXPM_ReleasePrintManager(int managerID);
```

Description

This function is used to release the print manager.

Parameters

int managerID A value returned from the **NewPrintManager** function.

SetRenderMode

```
int FXPM_SetRenderMode(int managerID, int renderMode);
```

Description

This function can be used to print the pages as bitmaps rather than as vector graphics and text.

Parameters

int managerID A value returned from the **NewPrintManager** function.

int renderMode The render mode to use:
 0=Vector and text (default)
 1=Render as bitmap

Returns

0 Render mode was set successfully

1 The renderMode parameter was out of range

GetPrinterCount

```
int FXPM_GetPrinterCount(int managerID);
```

Description

Returns the number of printers.

Parameters

int managerID A value returned from the **NewPrintManager** function.

GetPrinterName

```
const char* FXPM_GetPrinterName(int managerID, int printerIndex);
```

Description

Returns a UTF-8 encoded string containing the name of the printer with the specified index. The first printer has an index of 0, and the last print has an index of one less than the value returned by the GetPrinterCount function.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	printerIndex	

GetPaperSizeCount

```
int FXPM_GetPaperSizeCount(int managerID, const char* printerName);
```

Description

Returns the number of paper sizes for the printer with the specified name.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.

GetPaperSizeWidth

```
int FXPM_GetPaperSizeWidth(int managerID, const char* printerName, int paperIndex);
```

Description

Returns the width of the specified paper size for the printer with the specified name, in tenths of a millimeter.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.
int	paperIndex	The index of the paper type. The first paper type has an index of 0.

GetPaperSizeHeight

```
int FXPM_GetPaperSizeHeight(int managerID, const char* printerName, int paperIndex);
```

Description

Returns the height of the specified paper size for the printer with the specified name, in tenths of a millimeter.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.
int	paperIndex	The index of the paper type. The first paper type has an index of 0.

GetPaperSizeID

```
int FXPM_GetPaperSizeID(int managerID, const char* printerName, int paperIndex);
```

Description

Returns the ID of the specified paper size for the printer with the specified name. This ID can be used with the SetJobPaperSize function.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.
int	paperIndex	The index of the paper type. The first paper type has an index of 0.

GetPaperSizeName

```
int FXPM_GetPaperSizeName(int managerID, const char* printerName, int paperIndex);
```

Description

Returns the name of the specified paper size for the printer with the specified name.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.
int	paperIndex	The index of the paper type. The first paper type has an index of 0.

GetPaperSourceCount

```
int FXPM_GetPaperSourceCount(int managerID, const char* printerName);
```

Description

Returns the number of paper sources for the printer with the specified name.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.

GetPaperSourceName

```
const char* FXPM_GetPaperSourceName(int managerID, const char* printerName,  
int sourceIndex);
```

Description

Returns a UTF-8 encoded string containing name of the paper source with the specified index for the printer with the specified name.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.
int	sourceIndex	The index of the paper source. The first paper source has an index of 0.

GetPaperSourceID

```
int FXPM_GetPaperSourceID(int managerID, const char* printerName, int sourceIndex);
```

Description

Returns the ID of the paper source with the specified index for the printer with the specified name. This ID can be used with the SetJobPaperSource function.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.
int	sourceIndex	The index of the paper source. The first paper source has an index of 0.

GetDefaultPrinterName

```
const char* FXPM_GetDefaultPrinterName(int managerID);
```

Description

Returns a UTF-8 encoded string containing the name of the default printer.

Parameters

int	managerID	A value returned from the NewPrintManager function.
-----	-----------	--

GetDefaultPaperSize

```
int FXPM_GetDefaultPaperSize(int managerID, const char* printerName);
```

Description

Returns the ID of the default paper size for the specified printer.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.

GetDefaultPaperSource

```
int FXPM_GetDefaultPaperSource(int managerID, const char* printerName);
```

Description

Returns the ID of the default paper source for the specified printer.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	printerName	The name of the printer to query.

PrintPDFFromFile

```
int FXPM_PrintPDFFromFile(int managerID, const char* pdfFileName,  
                           const char* pdfPassword);
```

Description

Use this function to quickly print a PDF from a file on disk to the default printer using the default settings.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	pdfFileName	The path and file name of the PDF file to print.
const char*	pdfPassword	The security password to open the specified file, if necessary.

Returns

0	File could not be printed
1	Success

PrintPDFFromMemory

```
int FXPM_PrintPDFFromMemory(int managerID, const unsigned char* pdfData,
    __int64 pdfDataLength, const char* pdfPassword);
```

Description

Use this function to quickly print a PDF from a memory buffer to the default printer using the default settings. The data will be copied.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const unsigned char*	pdfData	A pointer to the bytes in memory containing the PDF file.
__int64	pdfDataLength	The length of data in bytes.
const char*	pdfPassword	The security password to open the specified file, if necessary.

Returns

0	File could not be printed
1	Success

PrintPDFFromFileToPrinter

```
int FXPM_PrintPDFFromFileToPrinter(int managerID, const char* pdfFileName,
    const char* pdfPassword, const char* printerName);
```

Description

Use this function to print a PDF from a file on disk to the specified printer using the default settings.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const char*	pdfFileName	The path and file name of the PDF file to print.
const char*	pdfPassword	The security password to open the specified file, if necessary.
const char*	printerName	The name of the printer that the file should be printed on.

Returns

0	File could not be printed
1	Success

PrintPDFFromMemoryToPrinter

```
int FXPM_PrintPDFFromMemoryToPrinter(int managerID, const unsigned char* pdfData,
__int64 pdfDataLength, const char* pdfPassword, const char* printerName);
```

Description

Use this function to print a PDF from a memory buffer to the specified printer using the default settings. The data will be copied.

Parameters

int	managerID	A value returned from the NewPrintManager function.
const unsigned char*	pdfData	A pointer to the bytes in memory containing the PDF file.
__int64	pdfDataLength	The length of data in bytes.
const char*	pdfPassword	The security password to open the specified file, if necessary.
const char*	printerName	The name of the printer that the file should be printed on.

Returns

- 0 File could not be printed
- 1 Success

NewPrintJob

```
int FXPM_NewPrintJob(int managerID);
```

Description

Use this function to create a new print job. The value returned can be used as a jobID parameter for the following functions.

Parameters

int	managerID	A value returned from the NewPrintManager function.
-----	-----------	--

AddPDFFromFileToJob

```
int FXPM_AddPDFFromFileToJob(int managerID, int jobID, const char* pdfFileName,
const char* pdfPassword);
```

Description

Use this function to add a PDF from a file on disk to the specified print job.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
const char*	pdfFileName	The path and file name of the PDF file to add.
const char*	pdfPassword	The security password to open the specified file, if necessary.

Returns

- 0 File could not be added
- 1 Success

AddPDFFromMemoryToJob

```
int FXPM_AddPDFFromMemoryToJob(int managerID, int jobID, const unsigned char* pdfData,
    __int64 pdfDataLength, const char* pdfPassword);
```

Description

Use this function to add a PDF from a memory buffer to the specified print job. The data will be copied.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
const unsigned char*	pdfData	A pointer to the bytes in memory containing the PDF file.
__int64	pdfDataLength	The length of data in bytes.
const char*	pdfPassword	The security password to open the specified file, if necessary.

Returns

- 0 File could not be added
- 1 Success

BeginPrintJob

```
int FXPM_BeginPrintJob(int managerID, int jobID);
```

Description

Use this function to start printing the specified print job.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.

Returns

- 0 Print job could not be started
- 1 Success

CancelPrintJob

```
int FXPM_CancelPrintJob(int managerID, int jobID);
```

Description

Use this function to cancel the specified print job.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.

Returns

- 0 Print job could not be cancelled
- 1 Success

GetPrintJobStatus

```
int FXPM_GetPrintJobStatus(int managerID, int jobID);
```

Description

Returns the status of the specified print job.

Parameters

- int managerID A value returned from the **NewPrintManager** function.
- int jobID A value returned from the **NewPrintJob** function.

Returns

- | | |
|------|--|
| 1000 | Job has started |
| 1001 | Job has been cancelled |
| 1002 | Job has completed |
| 1003 | Job is paused |
| 1004 | There is a printing error |
| 1005 | Unknown job status |
| 1006 | Failed to query job status |
| 2xxx | Printing is in progress, with the percent complete. For example, code 2025 indicates 25% complete. Code 2100 indicates 100% complete. (Note: This function requires the printer to support obtaining the number of printed pages.) |

ClosePrintJob

```
int FXPM_ClosePrintJob(int managerID, int jobID);
```

Description

Use this function to delete the specified print job.

Parameters

- int managerID A value returned from the **NewPrintManager** function.
- int jobID A value returned from the **NewPrintJob** function.

Returns

- | | |
|---|----------------------------------|
| 0 | Print job could not be cancelled |
| 1 | Success |

SetJobCopies

```
int FXPM_SetJobCopies(int managerID, int jobID, int newCopies);
```

Description

Sets the number of copies for the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

- | | | |
|-----|-----------|--|
| int | managerID | A value returned from the NewPrintManager function. |
| int | jobID | A value returned from the NewPrintJob function. |
| int | newCopies | The number of copies of the document that will be printed. |

Returns

- | | |
|---|--|
| 0 | The number of copies for the job could not be set, copies must be greater than or equal to 1 |
| 1 | Success |

SetJobColor

```
int FXPM_SetJobColor(int managerID, int jobID, int newColorMode);
```

Description

Sets the color mode of the specified print job. Option 1 and 2 set the color option in the printer driver. Option 3 sets the renderer to render the pages as grayscale independently to the printer driver.

If not set, the printer driver's current print setting will be used as default.

Parameters

- | | | |
|-----|--------------|---|
| int | managerID | A value returned from the NewPrintManager function. |
| int | jobID | A value returned from the NewPrintJob function. |
| int | newColorMode | The color mode to use:
1=Monochrome
2=Color
3=Render grayscale |

Returns

- | | |
|---|---|
| 0 | The color mode for the job could not be set |
| 1 | Success |

SetJobDuplex

```
int FXPM_SetJobDuplex(int managerID, int jobID, int newDuplex);
```

Description

Sets the page duplexing mode of the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
int	newDuplex	The duplex mode to use: 0=Simplex 1=Duplex vertical 2=Duplex horizontal

Returns

0	Duplex mode could not be set
1	Success

SetJobRotation

```
int FXPM_SetJobRotation(int managerID, int jobID, int newRotation);
```

Description

Sets the page rotation mode of the specified print job.

If not set, the default value 0 will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
int	newRotation	The page rotation: 0=Auto 1=Portrait 2=Landscape

SetJobScaling

```
int FXPM_SetJobScaling(int managerID, int jobID, int newScaling);
```

Description

Sets the scaling mode of the specified print job.

If not set, the default value 0 will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
int	newScaling	The page scaling 0=Fit 1=Shrink oversized pages 2=Actual size 3=Custom scale

Returns

0	Scaling mode could not be set
1	Success

SetJobCustomScale

```
int FXPM_SetJobCustomScale(int managerID, int jobID, double newCustomScalePercent);
```

Description

Sets the custom scale percent of the specified print job. The scaling should be set to "3=Custom scale" using the SetJobScaling function for a value set with this function to have an effect.

If not set, the default value 100.0 will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
double	newCustomScalePercent	The percentage scale to use. For example, 50.0 means 50%.

Returns

0	Custom scale could not be set, must be greater than zero
1	Success

SetJobPaperSource

```
int FXPM_SetJobPaperSource(int managerID, int jobID, int newPaperSourceID);
```

Description

Sets the paper source of the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

int managerID	A value returned from the NewPrintManager function.
int jobID	A value returned from the NewPrintJob function.
int newPaperSourceID	The paper source to use for printing. Use the GetPaperSourceID function to get an appropriate value.

Returns

0	Paper source could not be set
1	Success

SetJobPaperSize

```
int FXPM_SetJobPaperSize(int managerID, int jobID, int newPaperSizeID);
```

Description

Sets the paper size to use for the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

int managerID	A value returned from the NewPrintManager function.
int jobID	A value returned from the NewPrintJob function.
int newPaperSizeID	The paper size to use for printing. Use the GetPaperSizeID function to get an appropriate value or use -1 for automatic paper size selection based on the size of the pages in the PDF.

Returns

0	Paper size could not be set
1	Success

SetJobPageList

```
int FXPM_SetJobPageList(int managerID, int jobID, int documentIndex,  
    const char* pageList);
```

Description

Sets the page range list of the specified print job. If not set, all pages of the document will be used to print.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
int	documentIndex	The index of the document to set the page list for. The first document has an index of 0.
const char*	pageList	The list of pages to print, for example "1,2-5,7".

Returns

0	Page list could not be set
1	Success

SetJobPriority

```
int FXPM_SetJobPriority(int managerID, int jobID, int newPriority);
```

Description

Sets the priority of the specified print job. If not set, the printer driver's current print setting will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
int	newPriority	The priority of the print job. 1 is lowest, 99 is highest.

Returns

0	Priority could not be set, must be between 1 and 99
1	Success

SetJobQuality

```
int FXPM_SetJobQuality(int managerID, int jobID, int newQuality);
```

Description

Sets the print quality of the specified print job. Specifies the printer driver resolution. There are four predefined device-independent values. If not set, the printer driver's current print setting will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
int	newQuality	The quality to use for the print job. -1=Draft -2=Fast -3=Standard -4=High

Returns

0	Job quality could not be set
1	Success

SetJobDocumentName

```
int FXPM_SetJobDocumentName(int managerID, int jobID, const char* newDocumentName);
```

Description

Sets the document name that is displayed in the printer queue for the specified print job. If not set, the default string "Foxit Print Manager document" will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
const char*	newDocumentName	The name for the print job to show in the print spooler.

Returns

0	Document name could not be set
1	Success

SetJobCollate

```
int FXPM_SetJobCollate(int managerID, int jobID, int newCollate);
```

Description

Sets the collation mode of the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
int	newCollate	The collation setting to use for the print job: 0=No collation 1=Collate pages

Returns

0	Job collate setting could not be set
1	Success

SetJobPrinter

```
int FXPM_SetJobPrinter(int managerID, int jobID, const char* printerName);
```

Description

Sets the printer to use for the specified print job.

If not set, an empty string will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
const char*	printerName	The name of the printer that this print job should be printed to.

Returns

0	Job printer could not be set
1	Success

GetJobCopies

```
int FXPM_GetJobCopies(int managerID, int jobID);
```

Description

Returns the copies setting of the specified print job.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.

GetJobColor

```
int FXPM_GetJobColor(int managerID, int jobID);
```

Description

Returns the color mode of the specified print job.

Parameters

- int managerID A value returned from the **NewPrintManager** function.
- int jobID A value returned from the **NewPrintJob** function.

Returns

- 1 Mono
- 2 Color
- 3 Render grayscale

GetJobDuplex

```
int FXPM_GetJobDuplex(int managerID, int jobID);
```

Description

Returns the duplex mode of the specified print job.

Parameters

- int managerID A value returned from the **NewPrintManager** function.
- int jobID A value returned from the **NewPrintJob** function.

Returns

- 1 Simplex
- 2 Duplex vertical
- 3 Duplex horizontal

GetJobRotation

```
int FXPM_GetJobRotation(int managerID, int jobID);
```

Description

Returns the page rotation mode of the specified print job.

Parameters

- int managerID A value returned from the **NewPrintManager** function.
- int jobID A value returned from the **NewPrintJob** function.

Returns

- 0 Auto
- 1 Portrait
- 2 Landscape

GetJobScaling

```
int FXPM_GetJobScaling(int managerID, int jobID);
```

Description

Returns the scaling mode of the specified print job.

Parameters

int managerID A value returned from the **NewPrintManager** function.
int jobID A value returned from the **NewPrintJob** function.

GetJobCustomScale

```
double FXPM_GetJobCustomScale(int managerID, int jobID);
```

Description

Returns the custom scale percentage of the specified print job.

Parameters

int managerID A value returned from the **NewPrintManager** function.
int jobID A value returned from the **NewPrintJob** function.

Returns

- 0 Fit
- 1 Shrink oversized pages
- 2 Actual size
- 3 Custom scale, use GetJobCustomScale to get the current value

GetJobPaperSource

```
int FXPM_GetJobPaperSource(int managerID, int jobID);
```

Description

Returns the paper source ID of the specified print job.

Parameters

int managerID A value returned from the **NewPrintManager** function.
int jobID A value returned from the **NewPrintJob** function.

GetJobPaperSize

```
int FXPM_GetJobPaperSize(int managerID, int jobID);
```

Description

Returns the paper size ID of the specified print job.

Parameters

int managerID A value returned from the **NewPrintManager** function.
int jobID A value returned from the **NewPrintJob** function.

```
int FXPM_GetJobPageListCount(int managerID, int jobID, int documentIndex);
```

Description

Returns the number of pages in the page list for the specified print job.

Parameters

int managerID	A value returned from the NewPrintManager function.
int jobID	A value returned from the NewPrintJob function.
int documentIndex	The index of the document to get the page list count for. The first document has an index of 0.

GetJobPageListItem

```
int FXPM_GetJobPageListItem(int managerID, int jobID, int documentIndex, int itemIndex);
```

Description

Returns the page number with the specified index of the specified print job.

Parameters

int managerID	A value returned from the NewPrintManager function.
int jobID	A value returned from the NewPrintJob function.
int documentIndex	The index of the document to get the page list item for. The first document has an index of 0.
int itemIndex	The index of the item to set the page list for. The first item has an index of 0.

GetJobPriority

```
int FXPM_GetJobPriority(int managerID, int jobID);
```

Description

Returns the priority of the specified print job.

Parameters

int managerID	A value returned from the NewPrintManager function.
int jobID	A value returned from the NewPrintJob function.

GetJobQuality

```
int FXPM_GetJobQuality(int managerID, int jobID);
```

Description

Returns the quality of the specified print job.

Parameters

int managerID	A value returned from the NewPrintManager function.
int jobID	A value returned from the NewPrintJob function.

GetJobDocumentName

```
const char* FXPM_GetJobDocumentName(int managerID, int jobID);
```

Description

Returns a UTF-8 encoded string containing the document name of the specified print job.

Parameters

- | | |
|---------------|--|
| int managerID | A value returned from the NewPrintManager function. |
| int jobID | A value returned from the NewPrintJob function. |

GetJobCollate

```
int FXPM_GetJobCollate(int managerID, int jobID);
```

Description

Returns the collation setting of the specified print job.

Parameters

- | | |
|---------------|--|
| int managerID | A value returned from the NewPrintManager function. |
| int jobID | A value returned from the NewPrintJob function. |

GetJobPrinter

```
const char* FXPM_GetJobPrinter(int managerID, int jobID);
```

Description

Returns a UTF-8 encoded string containing the name of the printer of the specified print job.

Parameters

- | | |
|---------------|--|
| int managerID | A value returned from the NewPrintManager function. |
| int jobID | A value returned from the NewPrintJob function. |

SetAutoCenter

```
int FXPM_SetJobAutoCenter(int managerID, int jobID, int isAutoCenter);
```

Description

Sets auto-center mode of the specified print job. Auto-center means placing the PDF pages in the center. If not set, not auto-center mode will be used as default.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.
int	isAutoCenter	The auto-center mode of the specified print job. 0=not auto-center 1=auto-center

Returns

0	Auto-center mode could not be set
1	Success

IsAutoCenter

```
int FXPM_IsJobAutoCenter(int managerID, int jobID);
```

Description

Checks auto-center mode of the specified print job.

Parameters

int	managerID	A value returned from the NewPrintManager function.
int	jobID	A value returned from the NewPrintJob function.

Returns

0	Not auto-center
1	Auto-center