

# **NiiPrinterLib Function Guide**

NII					
System title	NiiPrinterLib	Sub system title	DLL	Created date	2005/06/30
Contents	Function explanation			Updated date	2006/02/06

Function name		NIIPrint / NIIPrintW		
Argument title		IN/OUT	Type	Explanation
i_prt		I	PCHAR /	Model name of the printer
i_dat		I	PWCHAR	Transmission data (Hexadecimal sequence)
i_size		I	PCHAR	Number of output characters
o_jobid		O	DWORD PDWORD	Print job ID (NULL designation is possible)
Return value	INT			
· Error(-Value), normal end (0)				
Processing Contents				
· Specified data is transmitted to printer.				
Error Contents				
-2 : Printer open error				
-3 : Document start error				
-4 : Page start error				
-5 : File acquisition error				
-7 : Temporary open error				
-13: Printer output error (spooler)				
-31: Resource shortage				

# NII

<b>System title</b>	<b>NiiPrinterLib</b>	<b>Sub system title</b>	<b>DLL</b>	<b>Created date</b>	<b>2005/06/30</b>
<b>Contents</b>	<b>Function Explanation</b>			<b>Updated date</b>	<b>2006/02/06</b>

Function name		NiilImagePrint / NiilImagePrintW	
Argument title	IN/OUT	Type	Explanation
i_prt	I	PCHAR / PWCHAR	Model name of the printer
i_bmp	I	HDC	Device context handle
i_x	I	int	Width
i_y	I	int	Height
i_file	I	BOOL	File unit transmission true:File unit false:Line unit
o_jobid	O	PDWORD	Print job ID (NULL designation is possible)
Return value	INT		
· Error(-Value),normal end(0)			
Processing Contents			
· Specified device context is transmitted to printer by raster image.			
Error contents			
-1 :Device context handle improper			
-2 :Printer open Error			
-3 :Document start error			
-4 :Page start error			
-5 :File acquisition error			
-7 :Temporary open error			
-13:Printer output error (spooler)			
-30:Image size improper			
-31:Resource shortage			

NII					
System title		NiiPrinterLib	Sub system title	DLL	Created date
					2005/11/26
Contents	Function explanation			Updated date	2006/02/06

Function name	NiiBitImagePrint / NiiBitImagePrintW		
Argument title	IN/OUT	Type	Explanation
i_prt	I	PCHAR / PWCHAR	Model name of the printer
i_bmp	I	HDC	Device context handle
i_x	I	int	Width
i_y	I	int	Height
o_jobid	O	PDWORD	Print job ID (NULL designation is possible)
Return value	INT		
• Error(-Value),normal end(0)			
Processing contents			
• Specified device context is transmitted to printer by bit image.			
Error contents			
-1 : Device context handle improper			
-2 : Printer open Error			
-3 : Document start error			
-4 : Page start error			
-5 : File acquisition error			
-7 : Temporary open error			
-13 : Printer output error (spooler)			
-30 : Image size improper			
-31 : Resource shortage			

# NII

<b>System title</b>	<b>NiiPrinterLib</b>	<b>Sub system title</b>	<b>DLL</b>	<b>Created date</b>	<b>2005/06/30</b>
<b>Contents</b>	<b>Function explanation</b>			<b>Updated date</b>	<b>2007/05/15</b>

Function name		NiiGetStatus / NiiGetStatusW		
Argument title		IN/O UT	Type	Explanation
i_prt o_status		I O	PCHAR / PWCHAR LPDWORD	Model name of the printer status
Return value	INT			
· Error(-Value), normal end(0), alarm(+Value)				
Processing contents				
<div>· The storage status in specified printer is returned.</div> <div>*Returning value is explained in the (ESC v) command chart in the printer specification.</div> <div>Error contents</div> <div>-3 : Printer open error</div> <div>-5 : OFFLINE</div> <div>-9 : Error in printer data acquisition</div> <div>-11 : Error in status data acquisition</div> <div>-12 : Error in status data open</div> <div>-31 : Resource shortage</div> <div>1 : Error in status data open (Recovery is done)</div>				

NII					
System title	NiiPrinterLib	Sub system title	DLL	Created date	2005/06/30
Contents	Function explanation			Updated date	2006/02/06

Function name	NiiStartDoc / NiiStartDocW		
Argument title	IN/O UT	Type	Explanation
i_prt	I	PCHAR / PWCHAR	Model name of the printer
o_jobid	O	PDWORD	Print job ID (NULL designation is possible)
Return value	INT		
· Error(-Value), normal end(0), alarm(+Value)			
Processing contents	<div>· Document will start.</div> <div>Error contents</div> <div>-1 : Error in data expansion</div> <div>-2 : Error in printer open</div> <div>-3 : Error in document start</div> <div>-4 : Error in page start</div> <div>-31 : Resource shortage</div> <div>1 : The document is already started</div> <div>2 : "Printer open" is opened</div>		

**NII**

<b>System title</b>	<b>NiiPrinterLib</b>	<b>Sub system title</b>	<b>DLL</b>	<b>Created date</b>	2005/06/30
<b>Contents</b>	<b>Function explanation</b>			<b>Updated date</b>	2006/02/06

Function name		NiiEndDoc / NiiEndDocW		
Argument title		IN/OUT	Type	Explanation
i_prt		I	PCHAR / PWCHAR	Model name of the printer
Return value	INT			
· Error(-Value), normal end(0), alarm(+Value)				
Processing contents				
· Document is terminated.				
Error contents				
-1 :Data expansion error				
-31:Resource shortage				
1 :Document is not started				
2 :”Printer open” is not opened				

**NII**

<b>System title</b>	<b>NiiPrinterLib</b>	<b>Sub system title</b>	<b>DLL</b>	<b>Created date</b>	<b>2005/06/30</b>
<b>Contents</b>	<b>Function explanation</b>			<b>Updated date</b>	<b>2006/02/06</b>

Function name	NiiCancelDoc / NiiCancelDocW
---------------	------------------------------

Argument title	IN/OUT	Type	Explanation
----------------	--------	------	-------------

i_prt	I	PCHAR / PWCHAR	Model name of the printer
-------	---	----------------	---------------------------

Return value	INT
--------------	-----

· Error(-Value), normal end(0), alarm(+Value)

Processing contents
---------------------

· Document is canceled.

Error contents

-1 : Data expansion error

-31 : Resource shortage

1 : Document is not started

2 : "Printer open" is not opened.



NII						
System title		NiiPrinterLib	Sub system title	DLL	Created date	2005/06/30
Contents	Function explanation				Updated date	2007/05/15

Function name		NiiGetInformation / NiiGetInformationW	
Argument title	IN/OUT	Type	Explanation
i_prt	I	PCHAR / PWCHAR	Model name of the printer
i_id	I	BYTE	Class ID
o_dat	O	PVOID	Area for extended data storage
o_time	O	PDWORD	Update flag (Elapsed time after the system starts) (NULL designation is possible)
Return value	INT		
· Error(-Value), normal end(0)			
Processing contents			
<div>· Get the data in which the target Class ID is saved.</div> <div>*You need to send the demand for target data from the original application to the printer in advance. (Extended status, Print completion information may not needed in some models)</div> <div>*Returning value is explained in the (ESC v) command chart in the printer specification.</div> <div>Error contents</div> <div>-11:Extended data acquisition error</div> <div>-12:Extended information open error</div> <div>-31:Resource shortage</div>			

NII					
System title	NiiPrinterLib	Sub system title	DLL	Created date	2006/04/08
Contents	Function Explanation			Updated date	

Class 1 : 4 bite (fixed) : Update flag (4bite) <Extended status> 1Byte : 7~0, 2Byte:15~8, 3Byte : 23~16, 4Byte : 31~24  
 Class 2 : 32bite (delimiter) : Update flag (4bite) <Model name>  
 Class 3 : 8 bite (fixed) : Update flag (4bite) <F/W version>  
 Class 4 : 8 bite (fixed) : Update flag (4bite) <Boot version>  
 Class 5 : 4 bite (fixed) : Update flag (4bite) <Memory switch setting data>  
 Class 6 : 4 bite (fixed) : Update flag (4bite) <Number of head energization dot line>  
 Class 7 : 4 bite (fixed) : Update flag (4bite) <Number of travel dot line>  
 Class 8 : 4 bite (fixed) : Update flag (4bite) <Number of cutting>  
 Class 9 : 16bite (fixed) : Update flag (4bite) <spare for reservation>  
 Class 1 0 : 16bite (fixed) : Update flag (4bite) <Printer function data>  
 Class 1 1 : 64bite (delimiter) : Update flag (4bite)  
 Class 1 2 : 32bite (delimiter) : Update flag (4bite)  
 Class 1 3 : 32bite (delimiter) : Update flag (4bite)  
 Class 1 4 : 32bite (delimiter) : Update flag (4bite)  
 Class 1 5 : 16bite (fixed) : Update flag (4bite)  
 Class 1 6 : 16bite (fixed) : Update flag (4bite)  
 Class 1 7 : 16bite (fixed) : Update flag (4bite)  
 Class 1 8 : 16bite (fixed) : Update flag (4bite)  
 Class 1 9 : 8 bite (fixed) : Update flag (4bite) < Alarm for completion of printing: start printing / By specifying shut down command, in processing shut down command, arbitrary ID and shut down status will be written. >  
 Class 2 0 : 8 bite (fixed) : Update flag (4bite)  
 Class 2 1 : 8 bite (fixed) : Update flag (4bite)  
 Class 2 2 : 8 bite (fixed) : Update flag (4bite)  
 Class 2 3 : 8 bite (fixed) : Update flag (4bite)  
 Class 2 4 : 4 bite (fixed) : Update flag (4bite)  
 Class 2 5 : 4 bite (fixed) : Update flag (4bite) <Alarm for completion of USB transfer : Job ID,USB transfer is completed, is written.>  
 Class 2 6 : 4 bite (fixed) : Update flag (4bite)  
 Class 2 7 : 4 bite (fixed) : Update flag (4bite)  
 Class 2 8 : 2 bite (fixed) : Update flag (4bite)  
 Class 2 9 : 2 bite (fixed) : Update flag (4bite)  
 Class 3 0 : 2 bite (fixed) : Update flag (4bite)  
 Class 3 1 : 2 bite (fixed) : Update flag (4bite) < Communication data:0x0000fixed Final status acquisition time stamp to the final update flag >

\*There is no validity in contents of the data which is acquired from the printer may not appropriate except Class 25 and 31.

\*Not all the contents which is described in this manual can be used for all printer models.