TOSHIBA

Windows POS Terminal

TEC OPOS Control

Drawer OPOS Application Programmer's Guide

First Edition : 16 Dec, 2011

TOSHIBA TEC CORPORATION

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1. DRWST Cash Drawer Control Object ["DRWST"]

1.1. Applicable Model and Operating Systems

[Supported POS Terminal]

ST-A10/A20

ST-B10/B20

ST-C10

ST-M30

[Applicable Drawer Model]

DRWST5x

[Interface]

ST-M30 : Serial Port (COM6)

Others : Normal Drawer Port

[Operating System for 32bit]

Windows 2000, Windows XP, Windows vista, Windows 7

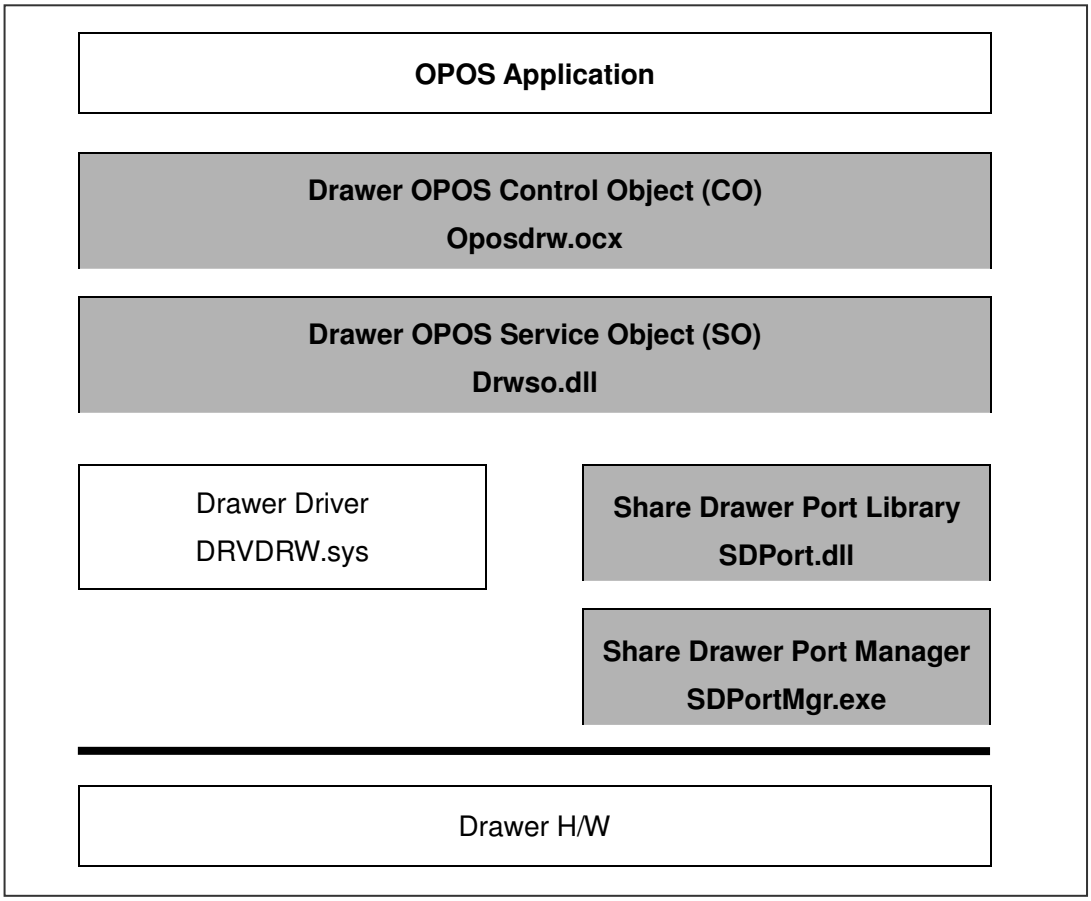
WEPOS 1.1, POSReady2009, POSReady 7

[Operating System for 64bit]

Windows 7, POSReady 7

1.2. Software Structure

The software structure of the DRWST Control is as shown below.



1.3. Functions and Properties

Functions supported	Functions not supported
Drawer status report	

Common property	Value
ControlObjectDescription	"TEC OPOS Cash Drawer Control Object"
ControlObjectVersion	"1008000"
ServiceObjectDescription	"TEC OPOS Cash Drawer Service Object"
ServiceObjectVersion	"1002XXX"
DeviceDescription	"DRWST-5x Cash Drawer"
DeviceName	"DRWST"
Special property	
CapStatus	TRUE

1.4. CheckHealth Method Specifications

1.4.1. Internal CheckHealth (OPOS_CH_INTERNAL)

The function will check the drawer status and the result is stored to the CheckHealthText property.

Value (Result code)	CheckHealthText	Description
OPOS_SUCCESS	"Internal HCheck:Opened!!"	Drawer is open
	"Internal HCheck:Closed!!"	Drawer is closed
OPOS_E_NOTCLAIMED	"HCheck:Exclusive"	Exclusive error

1.4.2. External CheckHealth (OPOS_CH_EXTERNAL)

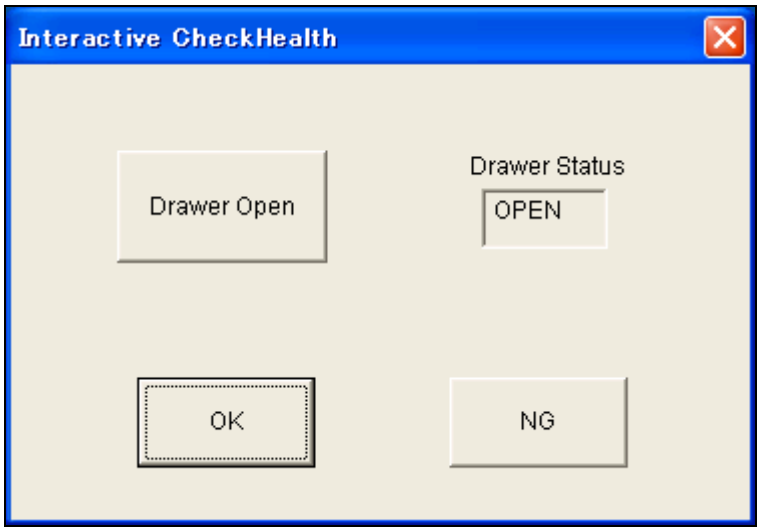
The function will send open drawer command and store the result to CheckHealthText property.

Value (Result code)	CheckHealthText	Description
OPOS_SUCCESS	"External HCheck:Successful"	The drawer is open.
OPOS_E_FAILURE	"External HCheck:Error"	Failed to open the drawer.
OPOS_E_NOTCLAIMED	"HCheck:Exclusive"	Exclusive error

1.4.3. Interactive CheckHealth (OPOS_CH_INTERACTIVE)

The function will prompt the following dialog. It's possible to open the drawer when the "Drawer Open" button is pressed, and shows the drawer status when the drawer status is changed.

The function will store the result to CheckHealthText property.



Value (Result code)	CheckHealthText	Description
OPOS_SUCCESS	"Interactive HCheck:Successful"	The "OK" button is pressed.
OPOS_E_FAILURE	"Interactive HCheck:Error"	The "NG" button is pressed.
OPOS_E_NOTCLAIMED	"HCheck:Exclusive"	Exclusive error

1.5. DirectIO Method Specifications

The Drawer OPOS does not support the DirectIO method.

1.6. Registry

The Drawer OPOS keeps the following information in registry.

[Registry Path]

HKEY_LOCAL_MACHINE¥SOFTWARE¥OLEforRetail
¥ServiceOPOS¥CashDrawer¥DRWST

Name	Type	Valid Data
(Default)	REG_SZ	TEC.DRAWER
Service	REG_SZ	C:¥OPOS¥TEC¥Drwso.dll
Description	REG_SZ	TEC DRWST Cash Drawer
DeviceName	REG_SZ	DRWST52
DeviceDescription	REG_SZ	TEC DRWST-52 Cash Drawer
Version	REG_SZ	1.2
POSType	REG_SZ	ST5500, ST5600, ST88, ST90
Port	REG_SZ	DRW1, DRW2
COMPort	REG_SZ	COM1, COM2, COM3…
Baudrate	REG_SZ	9600, 19200, 38400…

Name	Description
Service	File path for Service Object
Description	Service Object Description
DeviceName	Device Name. Default data is DRWST52
DeviceDescription	Device Description
Version	Service Object Version
POSType	Terminal Type. Default data is ST5500
Port	Drawer Port number. Default data is DRW1
COMPort	Serial Port number. This data is for ST-M30 only. It is not required by the other terminals
Baudrate	Serial Port baud rate. This data is for ST-M30 only. It is not required by the other terminals.

2. DRWEX Cash Drawer Control Object ["DRWEX"]

2.1. Applicable Model and Operating Systems

[Applicable Model]

All Terminals : DRWST5x

[Interface]

ST-M30 : Serial Port (COM6)

The others : Normal Drawer Port

[Operating System for 32bit]

Windows 2000, Windows XP, Windows vista, Windows 7

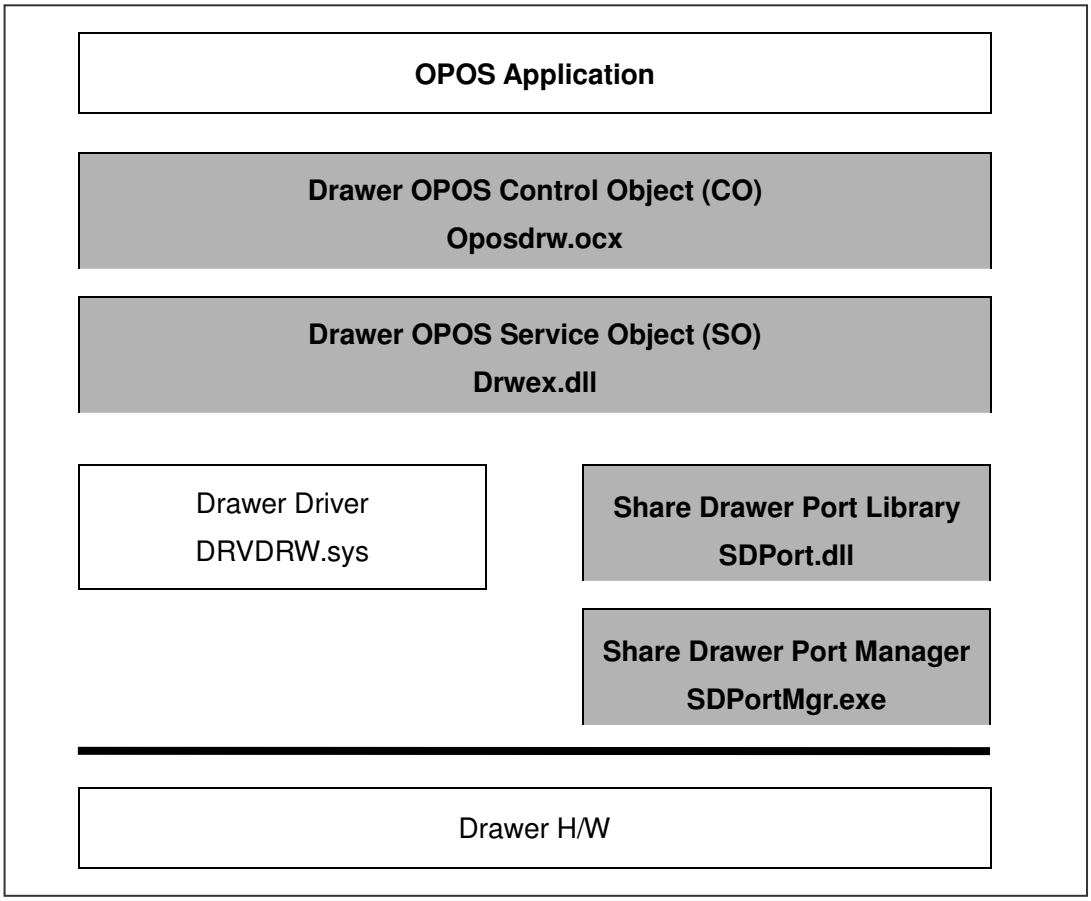
WEPOS 1.1, POSReady2009, POSReady 7

[Operating System for 64bit]

Windows 7, POSReady 7

2.2. Software Structure

The software structure of the DRWST Control is as shown below.



2.3. Functions and Properties

Functions supported	Functions not supported
Drawer status report	

Common property	Value
ControlObjectDescription	"TEC OPOS Cash Drawer Control Object"
ControlObjectVersion	"1008000"
ServiceObjectDescription	"TEC OPOS Cash Drawer Service Object"
ServiceObjectVersion	"1002XXX"
DeviceDescription	"DRWST-5x Cash Drawer"
DeviceName	"DRWEX"
Special property	
CapStatus	TRUE

2.4. CheckHealth Method Specifications

2.4.1. Internal CheckHealth (OPOS_CH_INTERNAL)

The function will store the drawer status to the CheckHealthText property when it was succeed.

Value (Result code)	CheckHealthText	Description
OPOS_SUCCESS	"Internal HCheck:Opened!!"	Drawer is open
	"Internal HCheck:Closed!!"	Drawer is closed
OPOS_E_NOTCLAIMED	"HCheck:Exclusive"	Exclusive error

2.4.2. External CheckHealth (OPOS_CH_EXTERNAL)

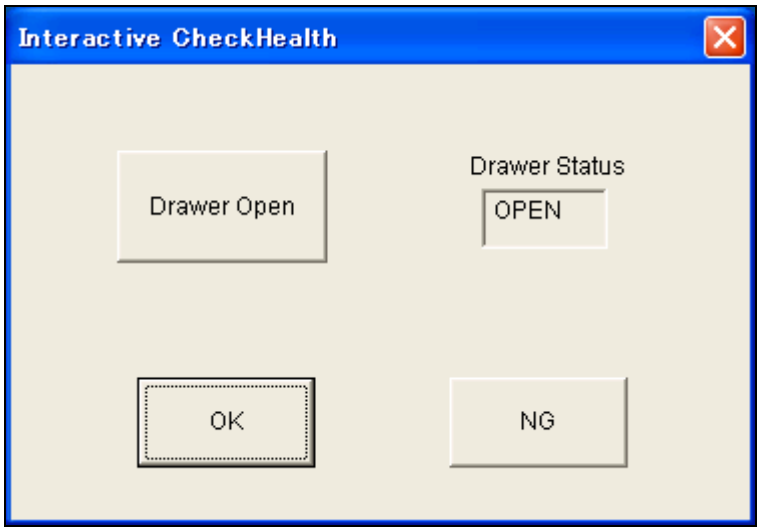
The function will send open drawer command to drawer, and store the result to CheckHealthText property.

Value (Result code)	CheckHealthText	Description
OPOS_SUCCESS	"External HCheck:Successful"	It could open the drawer. Or, the drawer has already opened.
OPOS_E_FAILURE	"External HCheck:Error"	It couldn't open the drawer.
OPOS_E_NOTCLAIMED	"HCheck:Exclusive"	Exclusive error

2.4.3. Interactive CheckHealth (OPOS_CH_INTERACTIVE)

The function will appear the following dialog. It's possible to open the drawer when the "Drawer Open" button is pushed. And it's possible to show the drawer status when the drawer status is changed.

The function will store the result to CheckHealthText property.



Value (Result code)	CheckHealthText	Description
OPOS_SUCCESS	"Interactive HCheck:Successful"	The "OK" button is pushed.
OPOS_E_FAILURE	"Interactive HCheck:Error"	The "NG" button is pushed.
OPOS_E_NOTCLAIMED	"HCheck:Exclusive"	Exclusive error

2.5. DirectIO Method Specifications

The Drawer OPOS doesn't support the DirectIO method.

2.6. Registry

The Drawer OPOS contains the following information in registry.

[Registry Path]

HKEY_LOCAL_MACHINE¥SOFTWARE¥OLEforRetail
¥ServiceOPOS¥CashDrawer¥DRWEX

Name	Type	Valid Data
(Default)	REG_SZ	TEC.DRAWER.EX
Service	REG_SZ	C:¥OPOS¥TEC¥Drwex.dll
Description	REG_SZ	TEC DRWST Cash Drawer Ex
DeviceName	REG_SZ	DRWST52
DeviceDescription	REG_SZ	TEC DRWST-52 Cash Drawer Ex
Version	REG_SZ	1.2
POSType	REG_SZ	ST5500, ST5600, ST88, ST90
Port	REG_SZ	DRW1, DRW2
COMPort	REG_SZ	COM1, COM2, COM3…
Baudrate	REG_SZ	9600, 19200, 38400…

Name	Description
Service	File path for Service Object
Description	Service Object Description
DeviceName	Device Name. Default data is DRWST52
DeviceDescription	Device Description
Version	Service Object Version
POSType	Terminal Type. Default data is ST5500
Port	Drawer Port number. Default data is DRW2
COMPort	Serial Port number. This data is for ST-M30 only. It is not required by the other terminals
Baudrate	Serial Port baud rate. This data is for ST-M30 only. It is not required by the other terminals.