

Point of Sale Subsystem



JavaPOS Cash Drawer, Fiscal Printer and Line Display for Italy

Installation instructions

To use the FiscalPrinter, LineDisplay and CashDrawer services, specific for IBM 4610 printers, the following elements must be present on the system:

- **jpos.xml**, modified according to the following description

JavaPOS configuration

Creating base jpos.xml file

Create the base jpos.xml following the instructions from "UnifiedPOS User's Guide, Keyboards, and Code Pages" at chapter 3

Adding Italy Cash Drawer, Line Display or Fiscal Printer JposEntry

To create a jpos.xml file using your favorite text editor, follow these steps:

1. Open the base jpos.xml created in previous steps
2. Copy from the sample XML file the JposEntry with "<Device Category> Italy" logical name to the jpos.xml
the logical names for each category are:
 - a) "FiscalPrinter-CashDrawer Italy" for Cash Drawer
 - b) "FiscalPrinter Italy" for Fiscal Printer
 - c) "FiscalPrinter-LineDisplay Italy" for Line Display
3. Edit the directIOJposEntryLogicalName property and update the value with the specific logical name of the fiscal printer to use from the base JposEntry.

For Example:

```
<prop name="directIOJposEntryLogicalName" type="String"
value="BaseFiscalPrinter"/>
```

The Line Display JposEntry contains an extra property to indicate the number of display to use "1" or "2")

For Example:

```
<prop name="lineDisplayNumber" type="String" value="1"/>
```

JavaPOS Fiscal Printer

Available properties and methods

Common properties

Properties	Availability	Value
getAutoDisable	Not supported	-
setAutoDisable	Not supported	-
getBinaryConversion	Not supported	-
setBinaryConversion	Not supported	-
getCapCompareFirmwareVersion	Supported	Pass-through IBM property (False)
getCapPowerReporting	Supported	Pass-through IBM property (JPOS_PR_STANDARD)
getCapStatisticsReporting	Supported	Pass-through IBM property (True)
getCapUpdateFirmware	Supported	Pass-through IBM property (False)
getCapUpdateStatistics	Supported	Pass-through IBM property (True)
getCheckHealthText	Supported	Pass-through IBM property (String)
getClaimed	Supported	Pass-through IBM property (True/False)
getDataCount	Not supported	-
getDatEventEnabled	Not supported	-
setDatEventEnabled	Not supported	-
getDeviceEnabled	Supported	Pass-through IBM property (True/False)
setDeviceEnabled	Supported	
getDeviceControlDescription	Supported	Pass-through IBM property (String)
getDeviceControlVersion	Supported	Pass-through IBM property (int)
getDeviceServiceDescription	Supported	Pass-through IBM property + " - Italy Plugin" (String)
getDeviceServiceVersion	Supported	Pass-through IBM property
getFreezeEvents	Supported	Pass-through IBM property (True/False)
setFreezeEvents	Supported	Pass-through IBM property
getOutputID	Supported	Pass-through IBM property (int)
getPhysicalDeviceDescription	Supported	Pass-through IBM property (String)
getPhysicalDeviceName	Supported	Pass-through IBM property (String)

getPowerNotify	Supported	Pass-through IBM property (int)
setPowerNotify	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getPowerState	Supported	Pass-through IBM property (int)
getState	Supported	Pass-through IBM property (int)

Specific properties

Properties	Availability	Value
getActualCurrency	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getAdditionalHeader	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setAdditionalHeader	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getAdditionalTrailer	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setAdditionalTrailer	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getAmountDecimalPlaces	Supported	2 (int)
getAsyncMode	Supported	False
setAsyncMode	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getCapAdditionalHeader	Supported	False
getCapAdditionalLines	Supported	True
getCapAdditionalTrailer	Supported	False
getCapAmountAdjustment	Supported	True
getCapAmountNotPaid	Supported	True
getCapChangeDue	Supported	False
getCapCheckTotal	Supported	True
getCapCoverSensor	Supported	True
getCapDoubleWidth	Supported	True
getCapDuplicateReceipt	Supported	False
getCapEmptyReceiptsVoidable	Supported	True
getCapFiscalReceiptStation	Supported	True
getCapFiscalReceiptType	Supported	True
getCapFixedOutput	Supported	False
getCapHasVatTable	Supported	False
getCapIndependentHeader	Supported	False
getCapItemList	Supported	False
getCapJrnEmptySensor	Supported	False
getCapJrnNearEndSensor	Supported	False
getCapJrnPresent	Supported	False
getCapMultiContractor	Supported	False

getCapNonFiscalMode	Supported	True
getCapOnlyVoidLastItem	Supported	False
getCapOrderAdjustmentFirst	Supported	False
getCapPackageAdjustment	Supported	False
getCapPercentAdjustment	Supported	False
getCapPositiveAdjustment	Supported	True
getCapPositiveSubtotalAdjustment	Supported	True
getCapPostPreLine	Supported	True
getCapPowerLossReport	Supported	False
getCapPredefinedPaymentLines	Supported	False
getCapReceiptNotPaid	Supported	True
getCapRecEmptySensor	Supported	True
getCapRecNearEndSensor	Supported	False
getCapRecPresent	Supported	True
getCapRemainingFiscalMemory	Supported	False
getCapReservedWord	Supported	True
getCapSetCurrency	Supported	False
getCapSetHeader	Supported	True
getCapSetPOSID	Supported	True
getCapSetStoreFiscalID	Supported	False
getCapSetTrailer	Supported	False
getCapSetVatTable	Supported	False
getCapSlpEmptySensor	Supported	True
getCapSlpFiscalDocument	Supported	False
getCapSlpFullSlip	Supported	True
getCapSlpNearEndSensor	Supported	False
getCapSlpPresent	Supported	True
getCapSlpValidation	Supported	True
getCapSubAmountAdjustment	Supported	True
getCapSubPercentAdjustment	Supported	False
getCapSubtotal	Supported	True

getCapTotalizerType	Supported	False
getCapTrainingMode	Supported	True
getCapValidateJournal	Supported	False
getCapXReport	Supported	False
getChangeDue	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setChangeDue	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getCheckTotal	Supported	True
setCheckTotal	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getContractorId	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setContractorId	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getCountryCode	Supported	FPTR_CC_ITALY
getCoverOpen	Supported	True / False
getDateType	Supported	FPTR_DT_RTC
setDateType	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getDayOpened	Supported	True / False
getDescriptionLength	Supported	38 (int)
getDuplicateReceipt	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setDuplicateReceipt	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getErrorLevel	Supported	FPTR_EL_NONE
getErrorOutID	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getErrorState	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getErrorStation	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getErrorString	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getFiscalReceiptStation	Supported	FPTR_RS_RECEIPT
setFiscalReceiptStation	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getFiscalReceiptType	Supported	FPTR_RT_SALES / FPTR_RT_GENERIC (credit note) / FPTR_RT_REFUND (credit note)
setFiscalReceiptType	Supported	
getFlagWhenIdle	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setFlagWhenIdle	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getJrnEmpty	Supported	False
getJrnNearEnd	Supported	False

getMessageLength	Supported	38 (int)
getMessageType	Supported	FPTR_MT_FREE_TEXT
setMessageType	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getNumHeaderLines	Supported	5 (int)
getNumTrailerLines	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getNumVatRates	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getPostLine	Supported	String
setPostLine	Supported	
getPredefinedPaymentLines	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getPreLine	Supported	String
setPreLine	Supported	
getPrinterState	Supported	FPTR_PS_MONITOR / FPTR_PS_FISCAL_RECEIPT / FPTR_PSFISCAL_RECEIPT_TOTAL / FPTR_PSFISCAL_RECEIPT_ENDING / FPTR_PS_NONFISCAL
getQuantityDecimalPlaces	Supported	3 (int)
getQuantityLength	Supported	7 (int)
getRecEmpty	Supported	True / False
getRecNearEnd	Supported	False
getRemainingFiscalMemory	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getReservedWord	Supported	"TOTAL"
getSlpEmpty	Supported	True / False
getSlpNearEnd	Supported	False
getSlipSelection	Supported	FPTR_SS_FULL_LENGTH
setSlipSelection	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getTotalizerType	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setTotalizerType	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getTrainingModeActive	Supported	True / False

Common methods

Methods	Availability	Notes
checkHealth	Supported	Pass-through IBM method
claim	Supported	Pass-through IBM method
clearInput	Not supported	-
clearOutput	Not supported	-
close	Supported	Pass-through IBM method
compareFirmwareVersion	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
directIO	Supported	Pass-through IBM method (FISCAL_WRITE through the driver)
open	Supported	Pass-through IBM method
release	Supported	Pass-through IBM method
resetStatistics	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
retrieveStatistics	Supported	Pass-through IBM method
updateFirmware	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
updateStatistics	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)

Specific methods

Methods	Availability	Notes
setCurrency	Not supported	JPOS_E_ILLEGAL
setDate	Supported	
setHeaderLine	Supported	If text = "" a blank line is set
setPOSID	Supported	This method can be called while DayOpened is false. The text will be lost across power losses.
setStoreFiscalID	Not supported	JPOS_E_ILLEGAL
setTrailerLine	Not supported	JPOS_E_ILLEGAL
setVatTable	Not supported	JPOS_E_ILLEGAL
setVatValue	Not supported	JPOS_E_ILLEGAL
beginFiscalReceipt	Supported	The header lines are ALWAYS printed at this time
endFiscalReceipt	Supported	The header of the next receipt will NOT be printed
printDuplicateReceipt	Not supported	JPOS_E_ILLEGAL
printRecCash	Not supported	JPOS_E_ILLEGAL
printRecItem	Supported	vatInfo and unitName parameters not considered. If quantity=0 or 1000, corresponding line isn't printed. If description="" and price=0 will be printed a blank line. In case of Credit Note the syntax is printRecItem(description (string 24), amount (long 10), 0, 0, 0, RefundVoucherNumber (string 9))
printRecItemAdjustment	Supported	VatInfo not considered. ALWAYS 2 decimal places are used
printRecItemAdjustmentVoid	Supported	VatInfo not considered.
printRecItemFuel	Not supported	JPOS_E_ILLEGAL
printRecItemFuelVoid	Not supported	JPOS_E_ILLEGAL
printRecItemRefund	Supported	VatInfo and unitName parameters not considered. If quantity=0 or 1000, corresponding line isn't printed.
printRecItemRefundVoid	Not supported	JPOS_E_ILLEGAL
printRecItemVoid	Supported	VatInfo and unitName parameters not considered. If quantity=0 or 1000, corresponding line isn't printed.
printRecMessage	Supported	
printRecNotPaid	Supported	
printRecPackageAdjustment	Not supported	JPOS_E_ILLEGAL

printRecPackageAdjustVoid	Not supported	JPOS_E_ILLEGAL
printRecRefund	Supported	vatInfo not considered
printRecRefundVoid	Not supported	JPOS_E_ILLEGAL
printRecSubtotal	Supported	Description is printed only if command is followed by a printRec. If software's total is different by printer's total the receipt is voided. CoverOpen and RecEmpty are not considered
printRecSubtotalAdjustment	Supported	ALWAYS 2 decimal places are used
printRecSubtotalAdjustVoid	Not supported	JPOS_E_ILLEGAL
printRecTaxID	Not supported	JPOS_E_ILLEGAL
printRecTotal	Supported	If payment = 0 it doesn't send payment's command. If payment < 0 it sends a rectify payment's command
printRecVoid	Supported	Description not considered. Printer returns in monitor status
printRecVoidItem	Supported	quantity, adjustmentType, adjustment, vatInfo not considered
beginFiscalDocument	Supported	DocumentAmount not considered. Command processed even if CapSlpFiscalDocument=false. DayOpened is not set to true
endFiscalDocument	Supported	Command processed even if CapSlpFiscalDocument=false
printFiscalDocumentLine	Supported	Command processed even if CapSlpFiscalDocument=false. Max description length=47 chars
beginItemList	Not supported	JPOS_E_ILLEGAL
endItemList	Not supported	JPOS_E_ILLEGAL
verifyItem	Not supported	JPOS_E_ILLEGAL
printPeriodicTotalsReport	Supported	If parameters are invalid JPOS_E_ILLEGAL is passed (not EFPTR_BAD_DATE)
printPowerLossReport	Not supported	JPOS_E_ILLEGAL
printReport	Supported	This command can print electronic journal reports too(1)
printXReport	Not supported	JPOS_E_ILLEGAL
printZReport	Supported	If values set with setPOSID (printer ID and cashier ID) are != "0000" and != " ", they will be printed (non fiscal) at the beginning of report
beginInsertion	Supported	timeout not considered. If slip is empty, it doesn't return exception
beginRemoval	Supported	Timeout not considered. If slip is empty, it doesn't return exception
endInsertion	Not supported	JPOS_E_ILLEGAL
endRemoval	Not supported	JPOS_E_ILLEGAL

beginFixedOutput	Not supported	JPOS_E_ILLEGAL
beginNonFiscal	Supported	If CoverOpen or RecEmpty = true it doesn't return exception
beginTrainig	Supported	
endFixedOutput	Not supported	JPOS_E_ILLEGAL
endNonFiscal	Supported	
endTraining	Supported	
printFixedOutput	Not supported	JPOS_E_ILLEGAL
printNormal	Supported	It can be used also in fiscal receipts. If station=FPTR_S_SLIP, max description length=47 chars
getData	Supported	It can be used to print barcode(2) and downloaded graphics(3), to obtain specific informations(4), to set manual cut(5), to set emphasized font(6), to set printing of payment even if total is 0(7)
getDate	Supported	
getTotalizer	Not supported	JPOS_E_ILLEGAL
getVatEntry	Not supported	JPOS_E_ILLEGAL
clearError	Not supported	JPOS_E_ILLEGAL
resetPrinter	Supported	It voids fiscal and non-fiscal receipts, credit notes, fiscal invoices and close training mode

Notes:**1. printReport(int *reportType*, String *startNum*, String *endNum*)**

- to print all fiscal memory

reportType = 0

startNum = ""

endNum = ""

Example:

```
printReport(0, "", "");
```

- to print electronic journal by dates

reportType = 3

startNum = "ddmmyyyy"

endNum = "ddmmyyyy"

Example:

print from 24/01/06 to 27/01/06

```
printReport(3, "24012006", "27012006");
```

- to print electronic journal by fiscal closures

reportType = 4

startNum = "nnnn"

endNum = "nnnn"

Example:

print from closure n. 1 to closure n. 15

```
printReport(4, "0001", "0015");
```

- to print a fiscal receipt from electronic journal by number and date

reportType = 5

startNum = "nnnnnnnn" (first 4 numbers and next 4, represent the fiscal receipt number, that must be repeated 2 times)

endNum = "ddmmyyyy"

Example:

print fiscal receipt n. 2 of 27/01/06

```
printReport(5, "00020002", "27012006");
```

- to print a set of fiscal receipts from electronic journal by numbers and date

reportType = 5

startNum = "nnnnnnnn" (first 4 numbers represent the first fiscal receipt and next 4 represent the last fiscal receipt)

endNum = "ddmmyyyy"

Example:

print fiscal receipts from n. 1 to n. 65 of 24/01/06

```
printReport(5, "00010065", "24012006");
```

- to print a fiscal receipt from electronic journal by number inside the current sale period

reportType = 6

startNum = "nnnnnnnn" (first 4 numbers and next 4 represent the fiscal receipt number, that must be repeated 2 times)

endNum = ""

Example:

print fiscal receipt n. 2 of current sale period

```
printReport(6, "00020002", "");
```

- to print a set of fiscal receipts from electronic journal by numbers and of current sale period

reportType = 6

startNum = "nnnnnnnn" (first 4 numbers represent the first fiscal receipt and next 4 represent the last fiscal receipt)

endNum = ""

Example:

print fiscal receipts from n. 1 to n. 65 of current sale period

printReport(6, "00010065", "");

- to print a fiscal receipt from electronic journal by number and fiscal closure

reportType = 7

startNum = "nnnnnnnn" (first 4 numbers and next 4 represent the fiscal receipt number, that must be repeated 2 times)

endNum = "nnnn" (the fiscal closure's number)

Example:

print fiscal receipt n. 5 of fiscal closure n. 153

printReport(7, "00050005", "0153");

- to print a set of fiscal receipts from electronic journal by numbers and fiscal closure

reportType = 7

startNum = "nnnnnnnn" (first 4 numbers represent the first fiscal receipt and next 4 represent the last fiscal receipt)

endNum = "nnnn" (the fiscal closure's number)

Example:

print fiscal receipts from n. 5 to n. 65 of fiscal closure n. 231

printReport(7, "00050065", "0231");

2. `getData(int dataItem, int[] optArgs, String[] data)`

to print the barcode:

`dataItem = 600`

`optArgs = int[]` (empty)

`data = String[width, height, HRI font, HRI location, barcode type, barcode data]`

First two *data* parameters determine the barcode's dimensions (C8 command)

- width:

 minimum = 2

 maximum = 4

 default = 3

- height:

 minimum = 001

 maximum = 255

 default = 162

If both parameters are set to "", C8 command isn't sent to the printer; barcode will be printed with default dimensions.

Next *data* parameters set HRI, barcode type, barcode data and the print (C9 command)

- HRI font:

 1 = 12 CPI

 0 = 15 CPI

- HRI location:

 11 = over and under the barcode

 10 = under the barcode

 01 = over the barcode

 00 = HRI not printed

- barcode type:

 1000 = CODE93

 0111 = CODE128 C

 0110 = CODABAR

 0101 = ITF

 0100 = CODE39

 0011 = JAN8

 0010 = JAN13

 0001 = UPC_E

 0000 = UPC_A

- barcode data:

 data that compose the barcode (final null character is automatically put by driver)

Example:

```
int[] optArgs = new int[1];
```

```
String[] data = new String[6];
```

```
data[0] = "2";           // width
```

```
data[1] = "080";         // height
```

```
data[2] = "0";           // HRI font (15 CPI)
```

```
data[3] = "10";          // HRI location (under the barcode)
```

```
data[4] = "01111";       // barcode type (CODE128 C)
```

```
data[5] = "12345";       // data
```

```
getData(600, optArgs, data);
```

3. getData(int *dataItem*, int[] *optArgs*, String[] *data*)

to print the graphic:

dataItem = 700

optArgs = int[graphic number, DPI]

data = String[] (empty)

optArgs parameters represent the downloaded graphic number, the resolution (DPI) and the print (CA command)

- graphic number:

downloaded graphic number (via DirectIO)

minimum = 1

maximum = 40

- DPI:

print resolution

100 (100 DPI)

200 (200 DPI)

Example:

```
int[] optArgs = new int[2];
```

```
String[] data = new String[1];
```

```
optArgs[0] = "10";
```

```
optArgs[1] = "100";
```

```
getData(700, optArgs, data);
```

```
// graphic number
```

```
// DPI
```


4. `getData(int dataItem, int[] optArgs, String[] data)`

to obtain specific informations:

- daily total of Credit Notes

dataItem = 501

- daily number of Credit Notes

dataItem = 500

- daily total of discounts

dataItem = 502

5. getData(int *dataItem*, int[] *optArgs*, String[] *data*)

- to set manual cut:

dataItem = 801

optArgs = int[enable/disable]

data = String[] (empty)

optArgs parameter represent if manual cut is enabled or disabled:

enabled = 1

disabled = 0

Default: manual cut is disabled (automatic cut)

Example:

```
int[] optArgs = new int[1];
```

```
String[] data = new String[1];
```

```
optArgs[0] = 1;
```

```
// set manual cut
```

```
getData(801, optArgs, data);
```

- to manually cut the receipt:

dataItem = 800

Example:

```
int[] optArgs = new int[1];
```

```
String[] data = new String[1];
```

```
getData(800, optArgs, data);
```

6. getData(int *dataItem*, int[] *optArgs*, String[] *data*)

to set emphasized font:

dataItem = 900

optArgs = int[enable/disable]

data = String[] (empty)

optArgs parameter represent if emphasized font is enabled or disabled:

enabled = 1

disabled = 0

Default: emphasized font is disabled (normal font)

If you set emphasized mode, the font remains emphasized until the disabled command will be sent.

Methods affected:

- printRecItem() : pre-line description, quantity description, item description, post-line description / credit note description
- printRecItemAdjustment() : pre-line description, item adjustment description
- printRecItemAdjustmentVoid() : pre-line description, item adjustment void description
- printRecItemRefund() : pre-line description, quantity description, item refund description
- printRecItemVoid() : pre-line description, quantity description, item void description, post-line description
- printRecMessage() : message description
- printRecNotPaid() : not paid description
- printRecRefund() : pre-line description, refund description
- printRecSubtotal() : post-line description
- printRecSubtotalAdjustment() : pre-line description, subtotal adjustment description
- printRecTotal() : payment description, post-line description
- printRecVoidItem() : item void description
- printNormal() : line description

Example:

```
int[] optArgs = new int[1];
```

```
String[] data = new String[1];
```

```
optArgs[0] = 1;           // set emphasized font
```

```
getData(900, optArgs, data);
```

7. getData(int *dataItem*, int[] *optArgs*, String[] *data*)

to set printing of payment even if total receipt is 0:

dataItem = 400

optArgs = int[enable/disable]

data = String[] (empty)

optArgs parameter represent if printing of payment is enabled or disabled:

enabled = 1

disabled = 0

Default: printing of payment is disabled (no print)

Example:

```
int[] optArgs = new int[1];
```

```
String[] data = new String[1];
```

```
optArgs[0] = 1;
```

```
getData(400, optArgs, data); // print payment even if total is 0
```

JavaPOS Line Display

Available properties and methods

Common properties

Properties	Availability	Value
getAutoDisable	Not supported	-
setAutoDisable	Not supported	-
getCapCompareFirmwareVersion	Supported	Pass-through IBM property (False)
getCapPowerReporting	Supported	Pass-through IBM property (JPOS_PR_NONE)
getCapStatisticsReporting	Supported	Pass-through IBM property (False)
getCapUpdateFirmware	Supported	Pass-through IBM property (False)
getCapUpdateStatistics	Supported	Pass-through IBM property (False)
getCheckHealthText	Supported	Pass-through IBM property (String)
getClaimed	Supported	Pass-through IBM property (True/False)
getDataCount	Not supported	-
getDatEventEnabled	Not supported	-
setDatEventEnabled	Not supported	-
getDeviceEnabled	Supported	Pass-through IBM property (True/False)
setDeviceEnabled	Supported	
getDeviceControlDescription	Supported	Pass-through IBM property (String)
getDeviceControlVersion	Supported	Pass-through IBM property (int)
getDeviceServiceDescription	Supported	Pass-through IBM property + " - Italy Plugin" (String)
getDeviceServiceVersion	Supported	Pass-through IBM property
getFreezeEvents	Supported	Pass-through IBM property (False)
setFreezeEvents	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getOutputID	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getPhysicalDeviceDescription	Supported	Pass-through IBM property (String)
getPhysicalDeviceName	Supported	Pass-through IBM property (String)
getPowerNotify	Supported	Pass-through IBM property (JPOS_PN_DISABLED)
setPowerNotify	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)

getPowerState	Supported	Pass-through IBM property (JPOS_PS_UNKNOWN)
getState	Supported	Pass-through IBM property (int)

Specific properties

Properties	Availability	Value
getCapBlink	Supported	DISP_CB_NOBLINK
getCapBitmap	Supported	False
getCapBlinkRate	Supported	False
getCapBrightness	Supported	False
getCapCharacterSet	Supported	DISP_CCS_ASCII
getCapCursorType	Supported	DISP_CCT_NONE
getCapCustomGlyph	Supported	False
getCapDescriptors	Supported	False
getCapHMarquee	Supported	False
getCapICharWait	Supported	False
getCapMapCharacterSet	Supported	False
getCapReadBack	Supported	DISP_CRB_NONE
getCapReverse	Supported	DISP_CR_NONE
getCapScreenMode	Supported	False
getCapVMarquee	Supported	False
getBlinkRate	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setBlinkRate	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getCharacterSet	Supported	DISP_CS_ASCII
setCharacterSet	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getCharacterSetList	Supported	"998" (String)
getColumns	Supported	20 (int)
getCurrentWindow	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setCurrentWindow	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getCursorColumn	Supported	0 – 19 (int)
setCursorColumn	Supported	
getCursorRow	Supported	0 – 1 (int)
setCursorRow	Supported	
getCursorType	Supported	DISP_CT_NONE
setCursorType	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)

getCursorUpdate	Supported	False
setCursorUpdate	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getCustomGlyphList	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getDeviceBrightness	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setDeviceBrightness	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getDeviceColumns	Supported	20 (int)
getDeviceDescriptors	Supported	0 (int)
getDeviceRows	Supported	2 (int)
getDeviceWindows	Supported	0 (int)
getGlyphHeight	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getGlyphWidth	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getInterCharacterWait	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setInterCharacterWait	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getMapCharacterSet	Supported	False
setMapCharacterSet	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getMarqueeFormat	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setMarqueeFormat	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getMarqueeRepeatWait	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setMarqueeRepeatWait	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getMarqueeType	Supported	DISP_MT_NONE
setMarqueeType	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getMarqueeUnitWait	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
setMarqueeUnitWait	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getMaximumX	Supported	0 (int)
getMaximumY	Supported	0 (int)
getRows	Supported	2 (int)
getScreenMode	Supported	0 (int)
setScreenMode	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getScreenModeList	Supported	"2x20" (String)

Common methods

Methods	Availability	Notes
checkHealth	Supported	Pass-through IBM method
claim	Supported	Pass-through IBM method
clearInput	Not supported	-
clearOutput	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
close	Supported	Pass-through IBM method
compareFirmwareVersion	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
directIO	Supported	Pass-through IBM method
open	Supported	Pass-through IBM method
release	Supported	Pass-through IBM method
resetStatistics	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
retrieveStatistics	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
updateFirmware	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
updateStatistics	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)

Specific methods

Methods	Availability	Notes
clearText	Supported	
displayText	Supported	
displayTextAt	Supported	
scrollText	Not supported	JPOS_E_ILLEGAL
clearDescriptors	Not supported	JPOS_E_ILLEGAL
setDescriptor	Not supported	JPOS_E_ILLEGAL
createWindow	Not supported	JPOS_E_ILLEGAL
destroyWindow	Not supported	JPOS_E_ILLEGAL
refreshWindow	Not supported	JPOS_E_ILLEGAL
defineGlyph	Not supported	JPOS_E_ILLEGAL
readCharacterAtCursor	Not supported	JPOS_E_ILLEGAL
displayBitmap	Not supported	JPOS_E_ILLEGAL
setBitmap	Not supported	JPOS_E_ILLEGAL

JavaPOS Cash Drawer

Available properties and methods

Common properties

Properties	Availability	Value
getAutoDisable	Not supported	-
setAutoDisable	Not supported	-
getCapCompareFirmwareVersion	Supported	Pass-through IBM property (False)
getCapPowerReporting	Supported	Pass-through IBM property (JPOS_PR_NONE)
getCapStatisticsReporting	Supported	Pass-through IBM property (False)
getCapUpdateFirmware	Supported	Pass-through IBM property (False)
getCapUpdateStatistics	Supported	Pass-through IBM property (False)
getCheckHealthText	Supported	Pass-through IBM property (String)
getClaimed	Supported	Pass-through IBM property (True/False)
getDataCount	Not supported	-
getDatEventEnabled	Not supported	-
setDatEventEnabled	Not supported	-
getDeviceEnabled	Supported	Pass-through IBM property (True/False)
setDeviceEnabled	Supported	
getDeviceControlDescription	Supported	Pass-through IBM property (String)
getDeviceControlVersion	Supported	Pass-through IBM property (int)
getDeviceServiceDescription	Supported	Pass-through IBM property + "- Italy Plugin" (String)
getDeviceServiceVersion	Supported	Pass-through IBM property
getFreezeEvents	Supported	Pass-through IBM property (False)
setFreezeEvents	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getOutputID	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)
getPhysicalDeviceDescription	Supported	Pass-through IBM property (String)
getPhysicalDeviceName	Supported	Pass-through IBM property (String)
getPowerNotify	Supported	Pass-through IBM property (JPOS_PN_DISABLED)
setPowerNotify	Not supported	Pass-through IBM property (JPOS_E_ILLEGAL)

getPowerState	Supported	Pass-through IBM property (JPOS_PS_UNKNOWN)
getState	Supported	Pass-through IBM property (int)

Specific properties

Properties	Availability	Value
getCapStatus	Supported	False
getCapStatusMultiDrawerDetect	Supported	False
getDrawerOpened	Supported	False

Common methods

Methods	Availability	Notes
checkHealth	Supported	Pass-through IBM method
claim	Supported	Pass-through IBM method
clearInput	Not supported	-
clearOutput	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
close	Supported	Pass-through IBM method
compareFirmwareVersion	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
directIO	Supported	Pass-through IBM method
open	Supported	Pass-through IBM method
release	Supported	Pass-through IBM method
resetStatistics	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
retrieveStatistics	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
updateFirmware	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)
updateStatistics	Not supported	Pass-through IBM method (JPOS_E_ILLEGAL)

Specific methods

Methods	Availability	Notes
openDrawer	Supported	
waitForDrawerClose	Not supported	JPOS_E_ILLEGAL