

UnifiedPOS

UnifiedPOS Retail Peripheral Architecture Defined Device Statistics

Version 1.11.0

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International Standard

For Implementation of Point Of Service Peripherals

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UnifiedPOS

UnifiedPOS Retail Peripheral Architecture

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UnifiedPOS Defined Device Statistics

Device Category Names

Since some of the POS Device Category programmatic names in the UnifiedPOS specification may not be recognizable outside the Retail POS environment where the Defined Statistics data are being processed, an alternate “long programmatic name” has been assigned where necessary. The correlations of UnifiedPOS programmatic names and alternate long names are defined in the following table.

UnifiedPOS Device Programmatic Names	Alternate Device Name
BillAcceptor	BillAcceptor
BillDispenser	BillDispenser
Biometrics	Biometrics
BumpBar	BumpBar
CashChanger	CashChanger
CashDrawer	CashDrawer
CAT	CreditAuthorizationTerminal
CheckScanner	CheckScanner
CoinAcceptor	CoinAcceptor
CoinDispenser	CoinDispenser
ElectronicJournal	ElectronicJournal
FiscalPrinter	FiscalPrinter
HardTotals	HardTotals
ImageScanner	ImageScanner
Keylock	Keylock
LineDisplay	LineDisplay
MICR	MagneticInkCharacterRecognitionReader
MotionSensor	MotionSensor
MSR	MagneticStripeReader
PINPad	PINPad
PointCardRW	PointCardReaderWriter
POSKeyboard	POSKeyboard
POSPower	POSPower
POSPrinter	POSPrinter
RemoteOrderDisplay	RemoteOrderDisplay
Scale	Scale
Scanner	BarCodeScanner
SignatureCapture	SignatureCapture
SmartCardRW	SmartCardReaderWriter
ToneIndicator	ToneIndicator

Common Statistics for All Device Categories

The following table contains the definitions of the information contained in the UnifiedPOS defined **DeviceInformation** section covering all device categories.

<DeviceInformation> XML Definition Name	Definition description
UnifiedPOSVersion	Version of the UnifiedPOS specification supported
DeviceCategory	Device category (e.g., POSPrinter)
ManufacturerName	Device manufacturer's name
ModelName	Device model name
SerialNumber	Device serial number
ManufactureDate	Device manufacture date
MechanicalRevision	Device hardware revision
FirmwareRevision	Device firmware revision
Interface	Device hardware interface (e.g., serial, USB)
InstallationDate	Device installation date

The following table contains the definitions of the UnifiedPOS defined statistics for all device categories.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
HoursPoweredCount	Number of hours powered on
CommunicationErrorCount	Number of communication errors

XML definitions for Biometrics Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **Biometrics** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
SuccessfulMatchCount	Number of successful biometric matches
UnsuccessfulMatchCount	Number of unsuccessful biometric matches
AverageFAR	Average False Accept Rate achieved
AverageFRR	Average False Reject Rate achieved

XML definitions for BumpBar Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **BumpBar** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
BumpCount	Number of times bump bar pressed

XML definitions for CashDrawer Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **CashDrawer** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
DrawerGoodOpenCount	Drawer open successes
DrawerFailedOpenCount	Drawer open failures

XML definitions for ElectronicJournal Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **ElectronicJournal** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
WriteCount	Number of writes to the recording medium
FailedWriteCount	Number of failed writes to the recording medium
EraseCount	Number of times data was erased
MediumRemovedCount	Number of times medium was removed
MediumSize	Amount of storage in bytes
MediumFreeSpace	Free space of storage in bytes

XML definitions for FiscalPrinter Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **FiscalPrinter** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
BarcodePrintedCount	Number of Barcodes printed
FormInsertionCount	Number of forms inserted into the document/slip station
HomeErrorCount	Number of home errors
JournalCharacterPrintedCount	Number of Journal characters printed
JournalLinePrintedCount	Number of Journal lines printed
MaximumTempReachedCount	Number of times Maximum temperature reached
NVRAMWriteCount	Number of times NVRAM is written to
PaperCutCount	Number of paper cuts
FailedPaperCutCount	Number of failed paper cuts
PrinterFaultCount	Number of Printer faults
PrintSideChangeCount	Number of print side changes (check flips) performed
FailedPrintSideChangeCount	Number of print side changes (check flips) failures
ReceiptCharacterPrintedCount	Number of receipt characters printed
ReceiptCoverOpenCount	Number of times the receipt cover was opened

ReceiptLineFeedCount	Number of receipt line feeds performed
ReceiptLinePrintedCount	Number of receipt lines printed
SlipCharacterPrintedCount	Number of document/slip characters printed
SlipCoverOpenCount	Number of times the document/slip station cover opened
SlipLineFeedCount	Number of document/slip line feeds performed
SlipLinePrintedCount	Number of document/slip lines printed
StampFiredCount	Number of Stamps fired

XML definitions for ImageScanner Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **ImageScanner** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
GoodReadCount	Number of still images acquired that resulted in a decode of bar code data. (Not including video frames)
NoReadCount	Number of still images acquired that did not result in a decode of bar code data. (Not including video frames)
SessionCount	Number of sessions executed

XML definitions for Keylock Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **Keylock** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
LockPositionChangeCount	Number of lock position changes

XML definitions for LineDisplay Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **LineDisplay** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
OnlineTransitionCount	Number of online transitions (on after screen blanking)

XML definitions for MICR Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **MICR** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
GoodReadCount	Number of successful reads
FailedReadCount	Number of failed reads
FailedDataParseCount	Number of failed data parses

XML definitions for MotionSensor Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **MotionSensor** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
MotionEventCount	Number of motion occurrences

XML definitions for MSR Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **MSR** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
GoodReadCount	Number of successful reads
FailedReadCount	Number of failed reads
UnreadableCardCount	Number of unreadable cards
GoodWriteCount	Number of successful writes
FailedWriteCount	Number of failed writes
MissingStartSentinelTrack1Count	Number of errors with missing start sentinel on track 1 (possible empty track)
ParityLRCErrorsTrack1Count	Number of Parity or LRC errors on track 1
MissingStartSentinelTrack2Count	Number of errors with missing start sentinel on track 2 (possible empty track)
ParityLRCErrorsTrack2Count	Number of Parity or LRC errors on track 2
MissingStartSentinelTrack3Count	Number of errors with missing start sentinel on track 3 (possible empty track)
ParityLRCErrorsTrack3Count	Number of Parity or LRC errors on track 3
MissingStartSentinelTrack4Count	Number of errors with missing start sentinel on track 4 (possible empty track)
ParityLRCErrorsTrack4Count	Number of Parity or LRC errors on track 4

XML definitions for PINPad Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **PINPad** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
ValidPINEntryCount	Number of valid PIN entries
InvalidPINEntryCount	Number of invalid PIN entries

XML definitions for POSKeyboard Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **POSKeyboard** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
KeyPressedCount	Number of keys pressed

XML definitions for POSPrinter Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **POSPrinter** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
BarcodePrintedCount	Number of Barcodes printed
FormInsertionCount	Number of forms inserted into the document/slip station
HomeErrorCount	Number of home errors
JournalCharacterPrintedCount	Number of Journal characters printed
JournalLinePrintedCount	Number of Journal lines printed
MaximumTempReachedCount	Number of times Maximum temperature reached
NVRAMWriteCount	Number of times NVRAM is written to
PaperCutCount	Number of paper cuts
FailedPaperCutCount	Number of failed paper cuts
PrinterFaultCount	Number of Printer faults
PrintSideChangeCount	Number of print side changes (or check flips) performed
FailedPrintSideChangeCount	Number of print side changes (or check flips) failures
ReceiptCharacterPrintedCount	Number of receipt characters printed
ReceiptCoverOpenCount	Number of times the receipt cover was opened
ReceiptLineFeedCount	Number of receipt line feeds performed
ReceiptLinePrintedCount	Number of receipt lines printed
SlipCharacterPrintedCount	Number of document/slip characters printed
SlipCoverOpenCount	Number of times the document/slip station cover opened
SlipLineFeedCount	Number of document/slip line feeds performed
SlipLinePrintedCount	Number of document/slip lines printed
StampFiredCount	Number of Stamps fired

XML definitions for Scale Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **Scale** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
GoodWeightReadCount	Number of successful weight reads

XML definitions for Scanner Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **Scanner** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
GoodScanCount	Number of successful scans

XML definitions for SignatureCapture Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **SignatureCapture** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
GoodSignatureReadCount	Number of successful signature reads
FailedSignatureReadCount	Number of unsuccessful signature reads

XML definitions for ToneIndicator Device Statistics

The following table contains the definitions of the UnifiedPOS defined statistics for the **ToneIndicator** device category.

<UnifiedPOSStatisticsContext> XML Definition Name	Definition description
ToneSoundedCount	Number of tones played

Change History

Release Version 1.8.0

This is the original release of the document dated January 7, 2004.

Release Version 1.9.0

This release of the document dated January 16, 2005 contained the following updates and corrections. However, any minor typographical changes are not listed below.

- Updated the Version and issue date on the front [page](#).
- Updated the Company Names in the Committee Members list and split into Members and Contributors sections, see [page 3](#).

Release Version 1.10.0

This release of the document dated February 10, 2006 contained the following updates and corrections. However, any minor typographical changes are not listed below.

- Updated the Version and issue date on the front [page](#).
- Updated the Company Names in the Committee Members' and Contributors' lists, see [page 3](#).
- Added statistics for the **Biometrics** device category, see [page 5](#).
- Added statistics for the **ElectronicJournal** device category, see [page 6](#).
- Added new statistics to the **MSR** device category, see [page 8](#).

Release Version 1.11.0

This release of the document dated January 15, 2007 contained the following updates and corrections. However, any minor typographical changes are not listed below.

- Updated the Version and issue date on the front [page](#).
- Updated the Company Names in the Committee Members' and Contributors' lists, see [page 3](#).
- Updated the Device Category Names, see [page 4](#).
- Added statistics for the **ImageScanner** device category, see [page 7](#).

