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```
[Experimental, Version ( "2.24.0" ),
UMLPackagePath ( "CIM::Device::Printing" ),
Description (
    "This class represents the PrintInputTray component of a "
    "Printer (print device). It contains properties that describe a "
    "device capable of providing media for input to the printing "
    "process. Note: A PrintInputTray shall be associated with "
    "exactly one Printer via an instance of the PrinterComponent "
    "class. See: Model in section 2 of Printer MIB (RFC 3805)." ),
MappingStrings { "MIB.IETF|Printer-MIB.prtInputEntry" }]
class CIM_PrintInputTray : CIM_PrinterElement {

    [Required, Override ( "ElementName" ),
    Description (
        "The user-friendly name for this instance of "
        "PrintInputTray. In addition, the user-friendly name can "
        "be used as an index property for a search or query. "
        "(Note: The name does not have to be unique within a "
        "namespace.) This name shall be generated as a factory "
        "default by the manufacturer and may be changed "
        "out-of-band to a site-specific name by the system "
        "administrator." ),
    MappingStrings { "MIB.IETF|Printer-MIB.prtInputName" },
    ModelCorrespondence { "CIM_ManagedElement.ElementName" }]
    string ElementName;

    [Description (
        "Denotes whether or not this PrintInputTray is the "
        "default PrintInputTray for this Printer. If the default "
        "PrintInputTray feature is not supported for this "
        "Printer, then this property shall be null. If the "
        "default PrintInputTray feature is supported for this "
        "Printer, then this property shall be true for at most "
        "one instance of CIM_PrintInputTray on this Printer, "
        "i.e., the default may not be currently configured." ),
    MappingStrings { "MIB.IETF|Printer-MIB.prtInputDefaultIndex" }]
    boolean IsDefault;

    [Description (
        "A free-form text description of this input tray in the "
        "localization specified by "
        "CIM_Printer.CurrentNaturalLanguage." ),
    MinLen ( 0 ),
    MaxLen ( 255 ),
    MappingStrings { "MIB.IETF|Printer-MIB.prtInputDescription",
        "MIB.IETF|Printer-MIB.PrtLocalizedDescriptionStringTC" },
    ModelCorrespondence { "CIM_Printer.CurrentNaturalLanguage" }]
    string LocalizedDescription;

    [Description (
        "The type of technology (discriminated primarily "
        "according to feeder mechanism type) employed by the "
        "input tray." ),
```

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ValueMap { "1", "2", "3", "4", "5", "6", "7", ".." },
Values { "Other", "Unknown", "SheetFeedAutoRemovableTray",
"SheetFeedAutoNonRemovableTray", "SheetFeedManual",
"ContinuousRoll", "ContinuousFanFold", "DMTF Reserved" },
MappingStrings { "MIB.IETF|Printer-MIB.prtInputType",
"MIB.IETF|IANA-PRINTER-MIB.PrtInputTypeTC" },
ModelCorrespondence {
"CIM_PrintInputTray.OtherTypeDescription" }]
uint32 Type;

[Description (
"A free-form string that describes the type of technology "
"when the value of the Type property is equal to 1 "
"(Other)." ),
MinLen ( 0 ),
MaxLen ( 255 ),
ModelCorrespondence { "CIM_PrintInputTray.Type" }]
string OtherTypeDescription;

[Description (
"The unit of measurement for use in calculating and "
"relaying capacity values for this input tray." ),
ValueMap { "1", "2", "3", "4", "8", "16", "17", "18", "19",
".." },
Values { "Other", "Unknown", "TenThousandthsOfInches",
"Micrometers", "Sheets", "Feet", "Meters", "Items",
"Percent", "DMTF Reserved" },
MappingStrings { "MIB.IETF|Printer-MIB.prtInputCapacityUnit",
"MIB.IETF|Printer-MIB.PrtCapacityUnitTC" },
ModelCorrespondence { "CIM_PrintInputTray.OtherCapacityUnit" }]
uint32 CapacityUnit;

[Description (
"A free-form string that describes the capacity unit when "
"the value of the CapacityUnit property is equal to 1 "
"(Other)." ),
MinLen ( 0 ),
MaxLen ( 255 ),
ModelCorrespondence { "CIM_PrintInputTray.CapacityUnit" }]
string OtherCapacityUnit;

[Description (
"The basis for the limit property MaxCapacity, that "
"specifies whether a meaningful value is available. 1 "
"(Other) means the input tray places no restrictions on "
"capacity and MaxCapacity shall be null. 2 (Unknown) "
"means the input tray cannot sense a meaningful value and "
"MaxCapacity shall be null. 3 (Actual) means the input "
"tray can sense a meaningful value and MaxCapacity shall "
"be present." ),
ValueMap { "1", "2", "3", ".." },
Values { "Other", "Unknown", "Actual", "DMTF Reserved" },
MappingStrings { "MIB.IETF|Printer-MIB.prtInputMaxCapacity" },
ModelCorrespondence { "CIM_PrintInputTray.MaxCapacity" }]

```

```
uint16 MaxCapacityBasis;
```

[Description (

"The maximum capacity of the input tray in units "  
 "specified by CIM\_PrintInputTray.CapacityUnit. There is "  
 "no convention associated with the media itself so this "  
 "value reflects claimed capacity. If this input tray can "  
 "reliably sense this value, the value is sensed by the "  
 "input tray and cannot be changed by the system "  
 "administrator; otherwise, the value may be changed "  
 "out-of-band by the system administrator." ),

```
MinValue ( 0 ),
```

```
MaxValue ( 2147483647 ),
```

```
MappingStrings { "MIB.IETF|Printer-MIB.prtInputMaxCapacity",  
  "MIB.IETF|Printer-MIB.prtInputCapacityUnit",  
  "MIB.IETF|Printer-MIB.PrtCapacityUnitTC" },
```

```
ModelCorrespondence { "CIM_PrintInputTray.MaxCapacityBasis" }]
```

```
uint32 MaxCapacity;
```

[Description (

"The basis for the gauge property CurrentLevel, that "  
 "specifies whether a meaningful value is available. 1 "  
 "(Other) means the input tray places no restrictions on "  
 "capacity and CurrentLevel shall be null. 2 (Unknown) "  
 "means the input tray cannot sense a meaningful value and "  
 "CurrentLevel shall be null. 3 (Actual) means the input "  
 "tray can sense a meaningful value and CurrentLevel shall "  
 "be present. 4 (AtLeastOne) means that the input tray can "  
 "only sense that at least one capacity unit remains "  
 "(i.e., not empty) and CurrentLevel shall be present and "  
 "shall contain the value zero or one." ),

```
ValueMap { "1", "2", "3", "4", ".." },
```

```
Values { "Other", "Unknown", "Actual", "AtLeastOne",  
  "DMTF Reserved" },
```

```
MappingStrings { "MIB.IETF|Printer-MIB.prtInputCurrentLevel" },
```

```
ModelCorrespondence { "CIM_PrintInputTray.CurrentLevel" }]
```

```
uint16 CurrentLevelBasis;
```

[Description (

"The current level of the input tray in units specified "  
 "by CIM\_PrintInputTray.CapacityUnit. If this input tray "  
 "can reliably sense this value, the value is sensed by "  
 "the input tray and cannot be changed by the system "  
 "administrator; otherwise, the value may be changed "  
 "out-of-band by the system administrator." ),

```
MinValue ( 0 ),
```

```
MaxValue ( 2147483647 ),
```

```
MappingStrings { "MIB.IETF|Printer-MIB.prtInputCurrentLevel",  
  "MIB.IETF|Printer-MIB.prtInputCapacityUnit",  
  "MIB.IETF|Printer-MIB.PrtCapacityUnitTC" },
```

```
ModelCorrespondence { "CIM_PrintInputTray.CurrentLevelBasis" }]
```

```
uint32 CurrentLevel;
```

[Description (

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    "This property contains detailed availability information "
    "for this PrintInputTray, as follows: 1 (Other) means "
    "other detailed availability information is present in "
    "the OtherAvailabilityStatus property. 2 (Unknown) means "
    "detailed availability information for this "
    "PrintInputTray is unknown. 3 (AvailableIdle) means this "
    "PrintInputTray is available and idle, i.e., not "
    "currently in use. 4 (AvailableStandby) means this "
    "PrintInputTray is available but on standby, e.g., in a "
    "power saving mode. 5 (AvailableActive) means this "
    "PrintInputTray is available and active, i.e., currently "
    "in use. 6 (AvailableBusy) means this PrintInputTray is "
    "available but busy, i.e., not immediately available for "
    "its primary function. 7 (UnavailableOnRequest) means "
    "this PrintInputTray is not available and is on request, "
    "i.e., needs human intervention. 8 (UnavailableBroken) "
    "means this PrintInputTray is not available and is "
    "broken, e.g., needs repair/replacement." ),
    ValueMap { "1", "2", "3", "4", "5", "6", "7", "8", ".." },
    Values { "Other", "Unknown", "AvailableIdle",
    "AvailableStandby", "AvailableActive", "AvailableBusy",
    "UnavailableOnRequest", "UnavailableBroken",
    "DMTF Reserved" },
    MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" },
    ModelCorrespondence {
        "CIM_ManagedSystemElement.OperatingStatus",
        "CIM_PrintInputTray.OtherAvailabilityStatus" }]
uint32 AvailabilityStatus;

[Description (
    "A free-form string that describes the detailed "
    "availability of this PrintInputTray when the value of "
    "the AvailabilityStatus property is equal to 1 (Other)." ),
    MinLen ( 0 ),
    MaxLen ( 255 ),
    ModelCorrespondence { "CIM_PrintInputTray.AvailabilityStatus" }]
string OtherAvailabilityStatus;

[Description (
    "If true, there are currently non-critical alerts on this "
    "input tray." ),
    MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" },
    ModelCorrespondence {
        "CIM_ManagedSystemElement.DetailedStatus" }]
boolean NonCriticalAlertsPresent;

[Description (
    "If true, there are currently critical alerts on this input "
    "tray." ),
    MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" },
    ModelCorrespondence {
        "CIM_ManagedSystemElement.DetailedStatus" }]
boolean CriticalAlertsPresent;

```

**[Description (**

"This property provides the value of the PWG standard or " "custom media size name of the media that is (or, if " "empty, was or will be) in this input tray. The values of " "this property shall conform to the requirements of the " "PWG Media Standardized Names specification [PWG5101.1], " "which defines the normative values for this property. If " "this input tray can reliably sense this value, the value " "is sensed by the input tray and cannot be changed by the " "system administrator; otherwise, the value may be " "changed out-of-band by the system administrator. The " "empty value means unknown." ),

**MinLen** ( 0 ),

**MaxLen** ( 63 ),

**MappingStrings** { "PWG5101-1.PWG|Media Standardized Names",  
"MIB.IETF|Printer-MIB.prtInputMediaDimFeedDirDeclared",  
"MIB.IETF|Printer-MIB.prtInputMediaDimXFeedDirDeclared" }]

**string** MediaSizeName;

**[Description (**

"The descriptive name of the media contained in this " "input tray. This media name is to be used by a client to " "format and localize a string for display to a human " "operator. This media name is not processed by the " "printer. It is used to provide information not " "expressible in terms of the other media attributes " "(e.g., CIM\_PrintInputTray.MediaWeight and " "CIM\_PrintInputTray.MediaType)." ),

**MinLen** ( 0 ),

**MaxLen** ( 63 ),

**MappingStrings** { "MIB.IETF|Printer-MIB.prtInputMediaName" }]

**string** MediaName;

**[Description (**

"The basis for the media property MediaWeight, that " "specifies whether a meaningful value is available. 2 " "(Unknown) means the input tray cannot sense a meaningful " "value and MediaWeight shall be null. 3 (Actual) means " "the input tray can sense a meaningful value and " "MediaWeight shall be present." ),

**ValueMap** { "2", "3", ".." },

**Values** { "Unknown", "Actual", "DMTF Reserved" },

**MappingStrings** { "MIB.IETF|Printer-MIB.prtInputMediaWeight" },

**ModelCorrespondence** { "CIM\_PrintInputTray.MediaWeight" }]

**uint16** MediaWeightBasis;

**[Description (**

"The weight of the media associated with this input tray " "in grams per square meter." ),

**MinValue** ( 0 ),

**MaxValue** ( 2147483647 ),

**MappingStrings** { "MIB.IETF|Printer-MIB.prtInputMediaWeight" },

**ModelCorrespondence** { "CIM\_PrintInputTray.MediaWeightBasis" },

**Punit** ( "gram / (meter \* meter)" )]

```
uint32 MediaWeight;
```

```
[Description (
```

```
"The name of the type of media associated with this input "
"tray. The values of this property should conform to the "
"requirements of the PWG Media Standardized Names "
"specification [PWG5101.1], which defines the normative "
"values for this property. This media type name need not "
"be processed by the printer; it might simply be "
"displayed to an operator." ),
```

```
MinLen ( 0 ),
```

```
MaxLen ( 63 ),
```

```
MappingStrings { "PWG5101-1.PWG|Media Standardized Names",
"MIB.IETF|Printer-MIB.prtInputMediaType" }]
```

```
string MediaType;
```

```
[Description (
```

```
"The name of the color of the media associated with this "
"input tray. The values of this property should conform "
"to the requirements of the PWG Media Standardized Names "
"specification [PWG5101.1], which defines the normative "
"values for this property." ),
```

```
MinLen ( 0 ),
```

```
MaxLen ( 63 ),
```

```
MappingStrings { "PWG5101-1.PWG|Media Standardized Names",
"MIB.IETF|Printer-MIB.prtInputMediaColor" }]
```

```
string MediaColor;
```

```
};
```