

PlcDeviceInfo Members

Namespace: IPS7Lnk.Advanced

Assemblies: IPS7LnkNet.Advanced.dll, IPS7LnkNet.Advanced.dll

The [PlcDeviceInfo](#) type exposes the following members.

Constructors

PlcDeviceInfo(IPlcDevice)

Initializes a new instance of the [PlcDeviceInfo](#) class using the specified `device`.

C#

```
public PlcDeviceInfo(IPlcDevice device)
```

Parameters

`device` [IPlcDevice](#)

The [IPlcDevice](#) to which the new [PlcDeviceInfo](#) belongs.

Exceptions

[ArgumentNullException](#)

The `device` is a null reference (Nothing in Visual Basic).

Properties

Copyright

Gets or sets a string representing the stored copyright information of the device.

C#

```
public string Copyright { get; set; }
```

Property Value

[String](#)

If there is any copyright information available, a [String](#) containing the copyright information; otherwise a null reference (Nothing in Visual Basic).

Device

Gets the [IPlcDevice](#) to which the [IPlcDeviceInfo](#) belongs.

C#

```
public IPlcDevice Device { get; }
```

Property Value

[IPlcDevice](#)

The [IPlcDevice](#) to which the [IPlcDeviceInfo](#) belongs.

HasCopyright

Gets a value indicating whether the [Copyright](#) property does provide copyright information.

C#

```
public bool HasCopyright { get; }
```

Property Value

[Boolean](#)

The value true, if the [Copyright](#) property does provide copyright information; otherwise the value false.

HasLocation

Gets a value indicating whether the [Location](#) property does provide location information.

C#

```
public bool HasLocation { get; }
```

Property Value

[Boolean](#)

The value true, if the [Location](#) property does provide location information; otherwise the value false.

HasMemoryCardSerial

Gets a value indicating whether the [MemoryCardSerial](#) property does provide a serial number of an inserted memory card.

C#

```
public bool HasMemoryCardSerial { get; }
```

Property Value

Boolean

The value true, if the [MemoryCardSerial](#) property does provide a serial number of an inserted memory card; otherwise the value false.

HasModuleName

Gets a value indicating whether the [ModuleName](#) property does provide the name of the module used.

C#

```
public bool HasModuleName { get; }
```

Property Value

Boolean

The value true, if the [ModuleName](#) property does provide the name of the module used; otherwise the value false.

HasModuleSerial

Gets a value indicating whether the [ModuleSerial](#) property does provide the serial number of the module used.

C#

```
public bool HasModuleSerial { get; }
```

Property Value

Boolean

The value true, if the [ModuleSerial](#) property does provide the serial number of the module used; otherwise the value false.

HasModuleType

Gets a value indicating whether the [ModuleType](#) property does provide type information of the module used.

C#

```
public bool HasModuleType { get; }
```

Property Value

Boolean

The value true, if the [ModuleType](#) property does provide type information of the module used; otherwise

the value false.

HasName

Gets a value indicating whether the [Name](#) property does provide the stored name of the device.

C#

```
public bool HasName { get; }
```

Property Value

[Boolean](#)

The value true, if the [Name](#) property does provide the stored name of the device; otherwise the value false.

HasPlantId

Gets a value indicating whether the [PlantId](#) property does provide the stored plant identifier of the device.

C#

```
public bool HasPlantId { get; }
```

Property Value

[Boolean](#)

The value true, if the [PlantId](#) property does provide the stored plant identifier of the device; otherwise the value false.

HasTime

Gets a value indicating whether the [Time](#) property does provide a [Nullable`1](#) object that is set to the current date and time on the device, expressed as the local time.

C#

```
public bool HasTime { get; }
```

Property Value

[Boolean](#)

The value true, if the [Time](#) property does provide a [Nullable`1](#) object that is set to the current date and time on the device, expressed as the local time; otherwise the value false.

Location

Gets or sets a string representing the stored location information of the device.

C#

```
public string Location { get; set; }
```

Property Value

[String](#)

If there is any location information available, a [String](#) containing the location information; otherwise a null reference (Nothing in Visual Basic).

MemoryCardSerial

Gets or sets the serial number of an inserted memory card.

C#

```
public string MemoryCardSerial { get; set; }
```

Property Value

[String](#)

If a memory card is plugged-in, the serial number of an inserted memory card; otherwise a null reference (Nothing in Visual Basic).

ModuleName

Gets or sets the name of the module used.

C#

```
public string ModuleName { get; set; }
```

Property Value

[String](#)

If there is a module name available, a [String](#) containing the module name; otherwise a null reference (Nothing in Visual Basic).

ModuleSerial

Gets or sets the serial number of the module used.

C#

```
public string ModuleSerial { get; set; }
```

Property Value

String

If there is a module serial available, a [String](#) containing the module serial; otherwise a null reference (Nothing in Visual Basic).

ModuleType

Gets or sets the type information of the module used.

C#

```
public string ModuleType { get; set; }
```

Property Value

String

If there is a module type information available, a [String](#) containing the module type information; otherwise a null reference (Nothing in Visual Basic).

Name

Gets or sets a string representing the stored name of the device.

C#

```
public string Name { get; set; }
```

Property Value

String

If there is any name available, a [String](#) containing the name; otherwise a null reference (Nothing in Visual Basic).

PlantId

Gets or sets a string representing the stored plant identifier of the device.

C#

```
public string PlantId { get; set; }
```

Property Value

String

If there is any plant identifier available, a [String](#) containing the plant identifier; otherwise a null reference (Nothing in Visual Basic).

Time

Gets or sets a [Nullable`1](#) object that is set to the current date and time on the device, expressed as the local time.

C#

```
public DateTime? Time { get; set; }
```

Property Value

[Nullable<DateTime>](#)

If there is any time information available, an object whose value is the current local date and time; otherwise a null reference (Nothing in Visual Basic).

Methods

ToString()

Returns a string that represents the current [PlcDeviceInfo](#).

C#

```
public override string ToString()
```

Returns

[String](#)

A string that represents the current [PlcDeviceInfo](#).

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