

IPlcDevice Members

Namespace: IPS7Lnk.Advanced

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

The [IPlcDevice](#) interface defines the following members.

Properties

EndPoint

Gets or sets the [PlcDeviceEndPoint](#) of the PLC device.

C#

```
PlcDeviceEndPoint EndPoint { get; set; }
```

Property Value

[PlcDeviceEndPoint](#)

An instance of the [PlcDeviceEndPoint](#) class, which defines the end point information required to establish a connection to the device represented.

Exceptions

[ArgumentNullException](#)

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

Name

Gets or sets the name of the device.

C#

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

Property Value

[String](#)

A [String](#) value identifying the device.

Objects

Gets a collection of [PlcObject](#) objects associated with the device.

C#

```
PlcObjectCollection Objects { get; }
```

Property Value

[PlcObjectCollection](#)

An instance of the [PlcObjectCollection](#) class.

Types

Gets a collection of [PlcType](#) objects associated with the device.

C#

```
PlcTypeCollection Types { get; }
```

Property Value

[PlcTypeCollection](#)

An instance of the [PlcTypeCollection](#) class.

Values

Gets a collection of [IPlcValue](#) objects associated with the device.

C#

```
PlcValueCollection Values { get; }
```

Property Value

[PlcValueCollection](#)

An instance of the [PlcValueCollection](#) class.

Methods

CreateConnection()

Creates a new instance of an object implementing the [PlcDeviceConnection](#) class which is associated with the device.

C#

```
PlcDeviceConnection CreateConnection()
```

Returns

PlcDeviceConnection

An instance of the [PlcDeviceConnection](#) class which is associated with the device.

CreateConnection(Boolean)

Creates a new instance of an object implementing the [PlcDeviceConnection](#) class which is associated with the device.

C#

```
PlcDeviceConnection CreateConnection(bool createNew)
```

Parameters

createNew Boolean

A value indicating whether a new instance is to be created (the value true) or if there is already an existing instance of the [PlcDeviceConnection](#) class in usable state is to be returned (the value false).

Returns

[PlcDeviceConnection](#)

An instance of the [PlcDeviceConnection](#) class which is associated with the device.

GetBlock(PlcOperand)

Retrieves the block information for the PLC block accessible by the **operand** specified.

C#

```
PlcBlockInfo GetBlock(PlcOperand operand)
```

Parameters

operand [PlcOperand](#)

The [PlcOperand](#) for that the according block information is to be retrieved.

Returns

[PlcBlockInfo](#)

An instance of the [PlcBlockInfo](#) class containing the information of the block requested.

Exceptions

[ArgumentNullException](#)

The **operand** is a null reference (Nothing in Visual Basic).

GetInfo()

Retrieves an instance of an object implementing the [IPlcDeviceInfo](#) interface which provides additional metadata about the device.

C#

```
IPlcDeviceInfo GetInfo()
```

Returns

[IPlcDeviceInfo](#)

An instance implementing the [IPlcDeviceInfo](#) interface which provides additional metadata about the device.

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