

PlcDevice Class

Namespace: IPS7Lnk.Advanced

Assemblies: IPS7LnkNet.Advanced.dll

Provides an abstract base class which represents a single programmable logic controller (PLC).

C#

```
public abstract class PlcDevice : IPlcDevice
```

Inheritance [Object](#) > [PlcDevice](#)

Derived

- [SimaticDevice](#)
- [VirtualDevice](#)

Implements [IPlcDevice](#)

Constructors

Name	Description
PlcDevice	Initializes a new instance of the PlcDevice class.
PlcDevice(PlcDeviceEndPoint)	Initializes a new instance of the PlcDevice class using the specified endPoint .

Properties

Name	Description
Blocks	Gets a collection of PlcBlockInfo objects associated with the device.
EndPoint	Gets or sets the PlcDeviceEndPoint of the PLC device.
Name	Gets or sets the name of the device.
Objects	Gets a collection of PlcObject objects associated with the device.
Types	Gets a collection of PlcType objects associated with the device.
Values	Gets a collection of IPlcValue objects associated with the device.

Methods

Name	Description
CreateConnection	Creates a new instance of an object implementing 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, if createNew is equals to the value true.

Name	Description
CreateConnectionCore	When implemented in a derived class, creates a new instance of an object which is an instance of the PlcDeviceConnection class which is associated with the PlcDevice .
GetBlock(PlcOperand)	Retrieves the block information for the PLC block accessible by the operand specified.
GetBlockCore(PlcOperand)	When implemented in a derived class, retrieves the block information for the PLC block accessible by the operand specified.
GetBlocks	Retrieves all so far known block information which has been determined by either discovering a block using GetBlock(PlcOperand) .
GetInfo	When implemented in a derived class, retrieves an instance of an object implementing the IPlcDeviceInfo interface which provides additional metadata about the device.
ToString	Returns a string that represents the current PlcDevice .

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