SimaticDevice Class

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll

Represents a single Siemens AG specific programmable logic controller (PLC).

C#

```
public class SimaticDevice : PlcDevice, IPlcDevice
```

Inheritance Object › PlcDevice › SimaticDevice

Implements IPlcDevice

Constructors

Name	Description
SimaticDevice	Initializes a new instance of the SimaticDevice class.
SimaticDevice(PlcDeviceEndPoint)	Initializes a new instance of the SimaticDevice class using the specified `endPoint`.
SimaticDevice(PlcDeviceEndPoint, SimaticDeviceType)	Initializes a new instance of the SimaticDevice class using the specified `endPoint` and `type`.
SimaticDevice(String)	Initializes a new instance of the SimaticDevice class using the specified `addressOrHostName`.
SimaticDevice(String, Int32)	Initializes a new instance of the SimaticDevice class using the specified `addressOrHostName` and `rack` number.
SimaticDevice(String, Int32, Int32)	Initializes a new instance of the SimaticDevice class using the specified `addressOrHostName`, `rack` number and `slot` number.
SimaticDevice(String, SimaticDeviceType)	Initializes a new instance of the SimaticDevice class using the specified `addressOrHostName` and `type`.
SimaticDevice(String, SimaticDeviceType, Int32)	Initializes a new instance of the SimaticDevice class using the specified `addressOrHostName`, `type` and `rack` number.
SimaticDevice(String, SimaticDeviceType, Int32, Int32)	Initializes a new instance of the SimaticDevice class using the specified `addressOrHostName`, `type`, `rack` number and `slot` number.

Properties

Name	Description
Blocks	Gets a collection of PlcBlockInfo objects associated with the device. (Inherited from PlcDevice)
ChannelType	Gets or sets a value that indicates how the connection will operate on the device.
EndPoint	Gets or sets the PlcDeviceEndPoint of the PLC device. (Inherited from PlcDevice)
Name	Gets or sets the name of the device. (Inherited from PlcDevice)

Name	Description
Objects	Gets a collection of PlcObject objects associated with the device. (Inherited from PlcDevice)
Options	Gets or sets additional characteristics used to communicate with the device represented.
Type	Gets or sets a value indicating the specific type of device represented.
Types	Gets a collection of PlcType objects associated with the device. (Inherited from PlcDevice)
Values	Gets a collection of IPlcValue objects associated with the device. (Inherited from PlcDevice)

Methods

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

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