

PlcInt64 Members

Namespace: IPS7Lnk.Advanced

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

The [PlcInt64](#) type exposes the following members.

Constructors

PlcInt64(PlcIdentity)

Initializes a new instance of the [PlcInt64](#) class using the specified [identity](#)

C#

```
public PlcInt64(PlcIdentity identity)
```

Parameters

[identity](#) [PlcIdentity](#)

The [PlcIdentity](#) of the new [PlcInt64](#) to which the PLC value belongs.

Exceptions

[ArgumentException](#)

The [identity](#) does not refer to the [LWord](#).

[ArgumentNullException](#)

The [identity](#) is a null reference (Nothing in Visual Basic).

PlcInt64(PlcIdentity, Int64)

Initializes a new instance of the [PlcInt64](#) class using the specified [identity](#) and [value](#).

C#

```
public PlcInt64(PlcIdentity identity, long value)
```

Parameters

[identity](#) [PlcIdentity](#)

The [PlcIdentity](#) of the new [PlcInt64](#) to which the PLC value belongs.

[value](#) [Int64](#)

The initial value of the new [PlcInt64](#).

Exceptions

ArgumentException

The `identity` does not refer to the `LWord`.

ArgumentNullException

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

PlcInt64(PlcIdentity, PlcName)

Initializes a new instance of the `PlcInt64` class using the specified `identity` and `name`.

C#

```
public PlcInt64(PlcIdentity identity, PlcName name)
```

Parameters

`identity` `PlcIdentity`

The `PlcIdentity` of the new `PlcInt64` to which the PLC value belongs.

`name` `PlcName`

The name of the value.

Exceptions

ArgumentException

The `identity` does not refer to the `LWord`.

ArgumentNullException

The `identity` or `name` is a null reference (Nothing in Visual Basic).

PlcInt64(PlcIdentity, PlcName, Int64)

Initializes a new instance of the `PlcInt64` class using the specified `identity`, `name` and `value`.

C#

```
public PlcInt64(PlcIdentity identity, PlcName name, long value)
```

Parameters

`identity` `PlcIdentity`

The `PlcIdentity` of the new `PlcInt64` to which the PLC value belongs.

`name` `PlcName`

The name of the value.

value Int64

The initial value of the new PlcInt64.

Exceptions

ArgumentException

The identity does not refer to the LWord.

ArgumentNullException

The identity or name is a null reference (Nothing in Visual Basic).

PlcInt64(PlcInt64Type)

Initializes a new instance of the PlcInt64 class using the specified type

C#

```
public PlcInt64(PlcInt64Type type)
```

Parameters

type PlcInt64Type

The PlcInt64Type of the new PlcInt64 to which the PLC value belongs.

Exceptions

ArgumentNullException

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

PlcInt64(PlcInt64Type, Int64)

Initializes a new instance of the PlcInt64 class using the specified type and value.

C#

```
public PlcInt64(PlcInt64Type type, long value)
```

Parameters

type PlcInt64Type

The PlcInt64Type of the new PlcInt64 to which the PLC value belongs.

value Int64

The initial value of the new PlcInt64.

Exceptions

ArgumentNullException

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

PlcInt64(PlcInt64Type, PlcName)

Initializes a new instance of the `PlcInt64` class using the specified `type` and `name`.

C#

```
public PlcInt64(PlcInt64Type type, PlcName name)
```

Parameters

`type` `PlcInt64Type`

The `PlcInt64Type` of the new `PlcInt64` to which the PLC value belongs.

`name` `PlcName`

The name of the value.

Exceptions

ArgumentNullException

The `type` or `name` is a null reference (Nothing in Visual Basic).

PlcInt64(PlcInt64Type, PlcName, Int64)

Initializes a new instance of the `PlcInt64` class using the specified `type`, `name` and `value`.

C#

```
public PlcInt64(PlcInt64Type type, PlcName name, long value)
```

Parameters

`type` `PlcInt64Type`

The `PlcInt64Type` of the new `PlcInt64` to which the PLC value belongs.

`name` `PlcName`

The name of the value.

`value` `Int64`

The initial value of the new `PlcInt64`.

Exceptions

ArgumentNullException

The `type` or `name` is a null reference (Nothing in Visual Basic).

Methods

GetValueCore(PlcDeviceConnection)

Retrieves the current value of the PLC value from a `IPlcDevice` using the `connection` specified.

C#

```
protected override long GetValueCore(PlcDeviceConnection connection)
```

Parameters

`connection` `PlcDeviceConnection`

The `PlcDeviceConnection` from that the data is to be retrieved.

Returns

`Int64`

The current value of the PLC value.

Exceptions

`InvalidOperationException`

The `connection` is in `Faulted` state and cannot longer be opened.

`ObjectDisposedException`

The `connection` has been disposed of.

RelocateCore(PlcAddress)

Relocates the value to the `address` specified.

C#

```
protected override IPlcValue RelocateCore(PlcAddress address)
```

Parameters

`address` `PlcAddress`

The `PlcAddress` to that the value is to be relocated.

Returns

IPlcValue

A new instance of the same type as this PLC value instance relocated to the **address** specified.

SetValueCore(PlcDeviceConnection, Int64)

Stores the **value** in the **IPlcDevice** assigned to the **connection** specified.

C#

```
protected override void SetValueCore(PlcDeviceConnection connection, long value)
```

Parameters

connection **PlcDeviceConnection**

The **PlcDeviceConnection** to use to store the **value**.

value **Int64**

The value to be stored.

Exceptions

InvalidOperationException

The **connection** is in **Faulted** state and cannot longer be opened.

ObjectDisposedException

The **connection** has been disposed of.

Table of Contents

Constructors	1
PlcInt64(PlcIdentity)	1
PlcInt64(PlcIdentity, Int64)	1
PlcInt64(PlcIdentity, PlcName)	2
PlcInt64(PlcIdentity, PlcName, Int64)	2
PlcInt64(PlcInt64Type)	3
PlcInt64(PlcInt64Type, Int64)	3
PlcInt64(PlcInt64Type, PlcName)	4
PlcInt64(PlcInt64Type, PlcName, Int64)	4
Methods	5
GetValueCore(PlcDeviceConnection)	5
RelocateCore(PlcAddress)	5
SetValueCore(PlcDeviceConnection, Int64)	6

