

PlcInt64Array Members

Namespace: IPS7Lnk.Advanced

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

The [PlcInt64Array](#) type exposes the following members.

Constructors

PlcInt64Array(PlcIdentity, Int32)

Initializes a new instance of the [PlcInt64Array](#) class using the specified `identity` and `length`.

C#

```
public PlcInt64Array(PlcIdentity identity, int length)
```

Parameters

`identity` [PlcIdentity](#)

The [PlcIdentity](#) of the new [PlcInt64Array](#) to which the PLC array belongs.

`length` [Int32](#)

The array length used to store the array values of the [PlcInt64Array](#).

Exceptions

[ArgumentException](#)

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

[ArgumentNullException](#)

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

[ArgumentOutOfRangeException](#)

The `length` is out of the bounds defined by [MinLength](#) and [MaxLength](#).

PlcInt64Array(PlcIdentity, Int64[])

Initializes a new instance of the [PlcInt64Array](#) class using the specified `identity` and `values`.

C#

```
public PlcInt64Array(PlcIdentity identity, params long[] values)
```

Parameters

`identity` [PlcIdentity](#)

The `PlcIdentity` of the new `PlcInt64Array` to which the PLC array belongs.

`values Int64[]`

The initial values of the new `PlcInt64Array`.

Exceptions

`ArgumentException`

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

`ArgumentNullException`

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

PlcInt64Array(PlcIdentity, PlcName, Int32)

Initializes a new instance of the `PlcInt64Array` class using the specified `identity`, `name` and `length`.

C#

```
public PlcInt64Array(PlcIdentity identity, PlcName name, int length)
```

Parameters

`identity PlcIdentity`

The `PlcIdentity` of the new `PlcInt64Array` to which the PLC array belongs.

`name PlcName`

The name of the array represented.

`length Int32`

The array length used to store the array values of the `PlcInt64Array`.

Exceptions

`ArgumentException`

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

`ArgumentNullException`

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

`ArgumentOutOfRangeException`

The `length` is out of the bounds defined by `MinLength` and `MaxLength`.

PlcInt64Array(PlcIdentity, PlcName, Int64[])

Initializes a new instance of the `PlcInt64Array` class using the specified `identity`, `name` and `values`.

C#

```
public PlcInt64Array(PlcIdentity identity, PlcName name, params long[] values)
```

Parameters

identity PlcIdentity

The **PlcIdentity** of the new **PlcInt64Array** to which the PLC array belongs.

name PlcName

The name of the array represented.

values Int64[]

The initial values of the new **PlcInt64Array**.

Exceptions

ArgumentException

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

ArgumentNullException

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

PlcInt64Array(PlcInt64ArrayType)

Initializes a new instance of the **PlcInt64Array** class using the specified **type**.

C#

```
public PlcInt64Array(PlcInt64ArrayType type)
```

Parameters

type PlcInt64ArrayType

The **PlcInt64ArrayType** of the new **PlcInt64Array** to which the PLC array belongs.

Exceptions

ArgumentNullException

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

PlcInt64Array(PlcInt64ArrayType, Int64[])

Initializes a new instance of the **PlcInt64Array** class using the specified **type** and **values**.

C#

```
public PlcInt64Array(PlcInt64ArrayType type, params long[] values)
```

Parameters

type PlcInt64ArrayType

The PlcInt64ArrayType of the new PlcInt64Array to which the PLC array belongs.

values Int64[]

The initial values of the new PlcInt64Array.

Exceptions

ArgumentNullException

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

PlcInt64Array(PlcInt64ArrayType, PlcName, Int64[])

Initializes a new instance of the PlcInt64Array class using the specified **type**, **name** and **values**.

C#

```
public PlcInt64Array(PlcInt64ArrayType type, PlcName name, params long[] values)
```

Parameters

type PlcInt64ArrayType

The PlcInt64ArrayType of the new PlcInt64Array to which the PLC array belongs.

name PlcName

The name of the array represented.

values Int64[]

The initial values of the new PlcInt64Array.

Exceptions

ArgumentNullException

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

Methods

GetElementCore(Int32)

Retrieves the PlcInt64 at the specified index.

C#

```
protected override PlcInt64 GetElementCore(int index)
```

Parameters

`index` Int32

The zero-based index of the element to get.

Returns

PlcInt64

The `PlcInt64` at the specified index.

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
PlcInt64Array(PlcIdentity, Int32)	1
PlcInt64Array(PlcIdentity, Int64[])	1
PlcInt64Array(PlcIdentity, PlcName, Int32)	2
PlcInt64Array(PlcIdentity, PlcName, Int64[])	2
PlcInt64Array(PlcInt64ArrayType)	3
PlcInt64Array(PlcInt64ArrayType, Int64[])	3
PlcInt64Array(PlcInt64ArrayType, PlcName, Int64[])	4
Methods	4
GetElementCore(Int32)	4
GetValueCore(PlcDeviceConnection)	5
RelocateCore(PlcAddress)	5
SetValueCore(PlcDeviceConnection, Int64[])	6

