

PlcInt16Info Members

Namespace: IPS7Lnk.Advanced

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

The [PlcInt16Info](#) type exposes the following members.

Constructors

PlcInt16Info(PlcIdentity, PlcName)

Initializes a new instance of the [PlcInt16Info](#) class using the specified [identity](#) and [name](#).

C#

```
public PlcInt16Info(PlcIdentity identity, PlcName name)
```

Parameters

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

The [PlcIdentity](#) of the type of value member.

[name](#) [PlcName](#)

The name of the value member.

Exceptions

[ArgumentException](#)

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

[ArgumentNullException](#)

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

PlcInt16Info(PlcIdentity, PlcName, Int16)

Initializes a new instance of the [PlcInt16Info](#) class using the specified [identity](#), [name](#) and [initialValue](#).

C#

```
public PlcInt16Info(PlcIdentity identity, PlcName name, short initialValue)
```

Parameters

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

The [PlcIdentity](#) of the type of value member.

[name](#) [PlcName](#)

The name of the value member.

`initialValue` `Int16`

The initial value of the new `PlcInt16Info`.

Exceptions

`ArgumentException`

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

`ArgumentNullException`

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

PlcInt16Info(PlcInt16Type, PlcName)

Initializes a new instance of the `PlcInt16Info` class using the specified `type` and `name`.

C#

```
public PlcInt16Info(PlcInt16Type type, PlcName name)
```

Parameters

`type` `PlcInt16Type`

The type of value member.

`name` `PlcName`

The name of the value member.

Exceptions

`ArgumentNullException`

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

PlcInt16Info(PlcInt16Type, PlcName, Int16)

Initializes a new instance of the `PlcInt16Info` class using the specified `type`, `name` and `initialValue`.

C#

```
public PlcInt16Info(PlcInt16Type type, PlcName name, short initialValue)
```

Parameters

`type` `PlcInt16Type`

The type of value member.

name PlcName

The name of the value member.

initialValue Int16

The initial value of the new PlcInt16Info.

Exceptions

ArgumentNullException

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

PlcInt16Info(PlcName)

Initializes a new instance of the PlcInt16Info class using the specified **name**

C#

```
public PlcInt16Info(PlcName name)
```

Parameters

name PlcName

The name of the value member.

Exceptions

ArgumentNullException

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

PlcInt16Info(PlcName, Int16)

Initializes a new instance of the PlcInt16Info class using the specified **name** and **initialValue**.

C#

```
public PlcInt16Info(PlcName name, short initialValue)
```

Parameters

name PlcName

The name of the value member.

initialValue Int16

The initial value of the new PlcInt16Info.

Exceptions

ArgumentNullException

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

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the **PlcInt16Info** as an absolute addressable PLC data member.

C#

```
public override IPlcMemberInfo MakeAbsoluteMember(PlcIdentity identity)
```

Parameters

identity **PlcIdentity**

The **PlcIdentity** to use to define the absolute location. This identity is used to define the basis starting from that the member is located.

Returns

IPlcMemberInfo

In case there **IsAbsolute** is equals true the reference to this member; otherwise a new instance of the member which refers to an absolute **PlcType**.

Exceptions

ArgumentException

The **identity** specified does not provide the necessary information required to address the type of data.

ArgumentNullException

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

RelocateCore(PlcType)

Relocates the member to the **type** specified.

C#

```
protected override PlcMemberInfo RelocateCore(PlcType type)
```

Parameters

type **PlcType**

The **PlcType** to that the member is to be relocated.

Returns

PlcMemberInfo

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

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