

PlcUInt16Info Members

Namespace: IPS7Lnk.Advanced

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

The [PlcUInt16Info](#) type exposes the following members.

Constructors

PlcUInt16Info(PlcIdentity, PlcName)

Initializes a new instance of the [PlcUInt16Info](#) class using the specified [identity](#) and [name](#).

C#

```
public PlcUInt16Info(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).

PlcUInt16Info(PlcIdentity, PlcName, UInt16)

Initializes a new instance of the [PlcUInt16Info](#) class using the specified [identity](#), [name](#) and [initialValue](#).

C#

```
public PlcUInt16Info(PlcIdentity identity, PlcName name, ushort initialValue)
```

Parameters

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

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

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

The name of the value member.

`initialValue UInt16`

The initial value of the new `PlcUInt16Info`.

Exceptions

`ArgumentException`

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

`ArgumentNullException`

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

PlcUInt16Info(PlcName)

Initializes a new instance of the `PlcUInt16Info` class using the specified `name`

C#

```
public PlcUInt16Info(PlcName name)
```

Parameters

`name PlcName`

The name of the value member.

Exceptions

`ArgumentNullException`

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

PlcUInt16Info(PlcName, UInt16)

Initializes a new instance of the `PlcUInt16Info` class using the specified `name` and `initialValue`.

C#

```
public PlcUInt16Info(PlcName name, ushort initialValue)
```

Parameters

`name PlcName`

The name of the value member.

`initialValue UInt16`

The initial value of the new `PlcUInt16Info`.

Exceptions

ArgumentNullException

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

PlcUInt16Info(PlcUInt16Type, PlcName)

Initializes a new instance of the `PlcUInt16Info` class using the specified `type` and `name`.

C#

```
public PlcUInt16Info(PlcUInt16Type type, PlcName name)
```

Parameters

`type` `PlcUInt16Type`

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).

PlcUInt16Info(PlcUInt16Type, PlcName, UInt16)

Initializes a new instance of the `PlcUInt16Info` class using the specified `type`, `name` and `initialValue`.

C#

```
public PlcUInt16Info(PlcUInt16Type type, PlcName name, ushort initialValue)
```

Parameters

`type` `PlcUInt16Type`

The type of value member.

`name` `PlcName`

The name of the value member.

`initialValue` `UInt16`

The initial value of the new `PlcUInt16Info`.

Exceptions

ArgumentNullException

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

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the [PlcUInt16Info](#) 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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