

PlcUInt16ArrayInfo Members

Namespace: IPS7Lnk.Advanced

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

The [PlcUInt16ArrayInfo](#) type exposes the following members.

Constructors

PlcUInt16ArrayInfo(PlcIdentity, PlcName, Int32)

Initializes a new instance of the [PlcUInt16ArrayInfo](#) class using the specified [identity](#), [name](#) and [length](#).

C#

```
public PlcUInt16ArrayInfo(PlcIdentity identity, PlcName name, int length)
```

Parameters

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

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

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

The name of the array member.

[length](#) [Int32](#)

The length of the array member.

Exceptions

[ArgumentException](#)

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

[ArgumentNullException](#)

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

[ArgumentOutOfRangeException](#)

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

PlcUInt16ArrayInfo(PlcName, Int32)

Initializes a new instance of the [PlcUInt16ArrayInfo](#) class using the specified [name](#) and [length](#).

C#

```
public PlcUInt16ArrayInfo(PlcName name, int length)
```

Parameters

name PlcName

The name of the array member.

length Int32

The length of the array member.

Exceptions

[ArgumentNullException](#)

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

[ArgumentOutOfRangeException](#)

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

PlcUInt16ArrayInfo(PlcUInt16ArrayType, PlcName)

Initializes a new instance of the [PlcUInt16ArrayInfo](#) class using the specified **type** and **name**.

C#

```
public PlcUInt16ArrayInfo(PlcUInt16ArrayType type, PlcName name)
```

Parameters

type PlcUInt16ArrayType

The type of array member.

name PlcName

The name of the array member.

Exceptions

[ArgumentException](#)

The **type** is not a one dimensional array type.

[ArgumentNullException](#)

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

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the [PlcUInt16ArrayInfo](#) 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 IPlcMemberInfo RelocateCore(PlcType type)
```

Parameters

type PlcType

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

Returns

IPlcMemberInfo

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

Table of Contents

Constructors	1
PlcUInt16ArrayInfo(PlcIdentity, PlcName, Int32)	1
PlcUInt16ArrayInfo(PlcName, Int32)	1
PlcUInt16ArrayInfo(PlcUInt16ArrayType, PlcName)	2
Methods	2
MakeAbsoluteMember(PlcIdentity)	2
RelocateCore(PlcType)	3