

# PlcInt16ArrayType Members

**Namespace:** IPS7Lnk.Advanced

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

The [PlcInt16ArrayType](#) type exposes the following members.

## Properties

### DefaultValue

Gets the type dependent default value which can be assigned to an entity of the type represented.

**C#**

```
public override object DefaultValue { get; }
```

#### Property Value

[Object](#)

The type dependent default value.

## Methods

### CreateEntity()

Creates a new [IPlcEntity](#) object which represents a concrete accessible entity of this [PlcType](#).

**C#**

```
public override IPlcEntity CreateEntity()
```

#### Returns

[IPlcEntity](#)

An instance implementing the [IPlcEntity](#) interface its [Type](#) property does refer to this [PlcType](#).

#### Exceptions

[NotSupportedException](#)

This pure [PlcType](#) instance can't create an entity, because it is an abstract type representation.

## Of(Int32)

Retrieves the according [PlcInt16ArrayType](#) which matches the supplied type metadata.

### C#

```
public static PlcInt16ArrayType Of(int length)
```

### Parameters

`length` Int32

The maximum length used to store a [PlcInt16ArrayType](#) value.

### Returns

[PlcInt16ArrayType](#)

The [PlcInt16ArrayType](#) which matches with the characteristics supplied.

### Exceptions

[ArgumentOutOfRangeException](#)

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

## Of(PlcIdentity, Int32)

Retrieves the according [PlcInt16ArrayType](#) which matches the supplied type metadata.

### C#

```
public static PlcInt16ArrayType Of(PlcIdentity identity, int length)
```

### Parameters

`identity` [PlcIdentity](#)

The [PlcIdentity](#) to which the [PlcInt16ArrayType](#) does refer.

`length` Int32

The maximum length used to store a [PlcInt16ArrayType](#) value.

### Returns

[PlcInt16ArrayType](#)

The [PlcInt16ArrayType](#) which matches with the characteristics supplied.

### Exceptions

## ArgumentException

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

## ArgumentNullException

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

## ArgumentOutOfRangeException

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

# Of(PlcIdentity, PlcName, Int32)

Retrieves the according `PlcInt16ArrayType` which matches the supplied type metadata.

## C#

```
public static PlcInt16ArrayType Of(PlcIdentity identity, PlcName name, int length)
```

## Parameters

### identity PlcIdentity

The `PlcIdentity` to which the `PlcInt16ArrayType` does refer.

### name PlcName

The `PlcName` of the `PlcType`.

### length Int32

The maximum length used to store a `PlcInt16ArrayType` value.

## Returns

### PlcInt16ArrayType

The `PlcInt16ArrayType` which matches with the characteristics supplied.

## Exceptions

### ArgumentException

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

### 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`.



# Table of Contents

<b>Properties</b> .....	1
DefaultValue .....	1
<b>Methods</b> .....	1
CreateEntity() .....	1
Of(Int32) .....	2
Of(PlcIdentity, Int32) .....	2
Of(PlcIdentity, PlcName, Int32) .....	3