

PlcUInt16Array Class

Namespace: IPS7Lnk.Advanced

Assemblies: IPS7LnkNet.Advanced.dll

Represents a PLC array which addresses an unique data entry stored within a programmable logic controller (PLC) its values are 16-bit unsigned integer values ([UInt16](#)).

C#

```
[CLSCompliant(false)]
public class PlcUInt16Array : PlcArray<ushort, PlcUInt16>, IPlcArray<ushort, PlcUInt16>,
IPlcValue<ushort[]>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<ushort>,
IEnumerable
```

Inheritance [Object](#) > [PlcValue<UInt16>](#) > [PlcArray<UInt16, PlcUInt16>](#) > [PlcUInt16Array](#)

Attributes [CLSCompliantAttribute](#)

Implements [IPlcArray<UInt16, PlcUInt16>](#), [IPlcValue<UInt16>](#), [IPlcArray](#), [IPlcValue](#), [IPlcSymbol](#), [IPlcEntity](#), [IPlcStatusProvider](#), [IPlcRelocatable<IPlcValue>](#), [IPlcRelocatable](#), [ISupportInitialize](#), [IEnumerable<UInt16>](#), [IEnumerable](#)

Remarks

While a PLC array of this type represents an array of [UInt16](#) values, all PLC operations performed using this class are done using the [Word](#). A PLC developer knows an array of this type as an ARRAY OF WORD.

Constructors

Name	Description
PlcUInt16Array(PlcIdentity, Int32)	Initializes a new instance of the PlcUInt16Array class using the specified identity and length .
PlcUInt16Array(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcUInt16Array class using the specified identity , name and length .
PlcUInt16Array(PlcIdentity, PlcName, UInt16)	Initializes a new instance of the PlcUInt16Array class using the specified identity , name and values .
PlcUInt16Array(PlcIdentity, UInt16)	Initializes a new instance of the PlcUInt16Array class using the specified identity and values .
PlcUInt16Array(PlcUInt16ArrayType)	Initializes a new instance of the PlcUInt16Array class using the specified type .
PlcUInt16Array(PlcUInt16ArrayType, PlcName, UInt16)	Initializes a new instance of the PlcUInt16Array class using the specified type , name and values .
PlcUInt16Array(PlcUInt16ArrayType, UInt16)	Initializes a new instance of the PlcUInt16Array class using the specified type and values .

Methods

Name	Description
<code>GetElementCore(Int32)</code>	Retrieves the <code>PlcUInt16</code> at the specified index.
<code>GetValueCore(PlcDeviceConnection)</code>	Retrieves the current value of the PLC value from a <code>IPlcDevice</code> using the <code>connection</code> specified.
<code>RelocateCore(PlcAddress)</code>	Relocates the value to the <code>address</code> specified.
<code>SetValueCore(PlcDeviceConnection, UInt16)</code>	Stores the <code>value</code> in the <code>IPlcDevice</code> assigned to the <code>connection</code> specified.

Table of Contents

Remarks	1
Constructors	1
Methods	2

