

PlcUInt32Array 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 32-bit unsigned integer values ([UInt32](#)).

C#

```
[CLSCompliant(false)]
public class PlcUInt32Array : PlcArray<uint, PlcUInt32>, IPlcArray<uint, PlcUInt32>,
IPlcValue<uint[]>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<uint>,
IEnumerable
```

Inheritance Object > PlcValue<UInt32> > PlcArray<UInt32, PlcUInt32> > PlcUInt32Array

Attributes [CLSCompliantAttribute](#)

Implements [IPlcArray<UInt32, PlcUInt32>](#), [IPlcValue<UInt32>](#), [IPlcArray](#), [IPlcValue](#), [IPlcSymbol](#), [IPlcEntity](#), [IPlcStatusProvider](#), [IPlcRelocatable<IPlcValue>](#), [IPlcRelocatable](#), [ISupportInitialize](#), [IEnumerable<UInt32>](#), [IEnumerable](#)

Remarks

While a PLC array of this type represents an array of [UInt32](#) values, all PLC operations performed using this class are done using the [DWord](#). A PLC developer knows an array of this type as an ARRAY OF DWORD.

Constructors

Name	Description
PlcUInt32Array(PlcIdentity, Int32)	Initializes a new instance of the PlcUInt32Array class using the specified identity and length .
PlcUInt32Array(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcUInt32Array class using the specified identity , name and length .
PlcUInt32Array(PlcIdentity, PlcName, UInt32)	Initializes a new instance of the PlcUInt32Array class using the specified identity , name and values .
PlcUInt32Array(PlcIdentity, UInt32)	Initializes a new instance of the PlcUInt32Array class using the specified identity and values .
PlcUInt32Array(PlcUInt32ArrayType)	Initializes a new instance of the PlcUInt32Array class using the specified type .
PlcUInt32Array(PlcUInt32ArrayType, PlcName, UInt32)	Initializes a new instance of the PlcUInt32Array class using the specified type , name and values .
PlcUInt32Array(PlcUInt32ArrayType, UInt32)	Initializes a new instance of the PlcUInt32Array class using the specified type and values .

Methods

Name	Description
GetElementCore(Int32)	Retrieves the PlcUInt32 at the specified index.
GetValueCore(PlcDeviceConnection)	Retrieves the current value of the PLC value from a IPlcDevice using the connection specified.
RelocateCore(PlcAddress)	Relocates the value to the address specified.
SetValueCore(PlcDeviceConnection, UInt32)	Stores the value in the IPlcDevice assigned to the connection specified.

Table of Contents

Remarks	1
Constructors	1
Methods	2

