

PlcInt32Array 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 signed integer values ([Int32](#)).

C#

```
public class PlcInt32Array : PlcArray<int, PlcInt32>, IPlcArray<int, PlcInt32>,
    IPlcValue<int[]>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
    IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<int>,
    IEnumerable
```

Inheritance [Object](#) > [PlcValue<Int32>](#) > [PlcArray<Int32, PlcInt32>](#) > [PlcInt32Array](#)

Implements [IPlcArray<Int32, PlcInt32>](#), [IPlcValue<Int32>](#), [IPlcArray](#), [IPlcValue](#), [IPlcSymbol](#), [IPlcEntity](#), [IPlcStatusProvider](#), [IPlcRelocatable<IPlcValue>](#), [IPlcRelocatable](#), [ISupportInitialize](#), [IEnumerable<Int32>](#), [IEnumerable](#)

Remarks

While a PLC array of this type represents an array of [Int32](#) 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 DINT.

Constructors

Name	Description
PlcInt32Array(PlcIdentity, Int32)	Initializes a new instance of the PlcInt32Array class using the specified identity and length .
PlcInt32Array(PlcIdentity, Int32)	Initializes a new instance of the PlcInt32Array class using the specified identity and values .
PlcInt32Array(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcInt32Array class using the specified identity , name and length .
PlcInt32Array(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcInt32Array class using the specified identity , name and values .
PlcInt32Array(PlcInt32ArrayType)	Initializes a new instance of the PlcInt32Array class using the specified type .
PlcInt32Array(PlcInt32ArrayType, Int32)	Initializes a new instance of the PlcInt32Array class using the specified type and values .
PlcInt32Array(PlcInt32ArrayType, PlcName, Int32)	Initializes a new instance of the PlcInt32Array class using the specified type , name and values .

Methods

Name	Description
GetElementCore(Int32)	Retrieves the PlcInt32 at the specified index.

Name	Description
<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, Int32)</code>	Stores the <code>value</code> in the <code>IPlcDevice</code> assigned to the <code>connection</code> specified.

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