

PlcInt64Array 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 64-bit signed integer values ([Int64](#)).

C#

```
public class PlcInt64Array : PlcArray<long, PlcInt64>, IPlcArray<long, PlcInt64>,
IPlcValue<long[]>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<long>,
IEnumerable
```

Inheritance [Object](#) > [PlcValue<Int64>](#) > [PlcArray<Int64, PlcInt64>](#) > [PlcInt64Array](#)

Implements [IPlcArray<Int64, PlcInt64>](#), [IPlcValue<Int64>](#), [IPlcArray](#), [IPlcValue](#), [IPlcSymbol](#), [IPlcEntity](#), [IPlcStatusProvider](#), [IPlcRelocatable<IPlcValue>](#), [IPlcRelocatable](#), [ISupportInitialize](#), [IEnumerable<Int64>](#), [IEnumerable](#)

Remarks

While a PLC array of this type represents an array of [Int64](#) values, all PLC operations performed using this class are done using the [LWord](#). A PLC developer knows an array of this type as an ARRAY OF LINT.

Constructors

Name	Description
PlcInt64Array(PlcIdentity, Int32)	Initializes a new instance of the PlcInt64Array class using the specified identity and length .
PlcInt64Array(PlcIdentity, Int64)	Initializes a new instance of the PlcInt64Array class using the specified identity and values .
PlcInt64Array(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcInt64Array class using the specified identity , name and length .
PlcInt64Array(PlcIdentity, PlcName, Int64)	Initializes a new instance of the PlcInt64Array class using the specified identity , name and values .
PlcInt64Array(PlcInt64ArrayType)	Initializes a new instance of the PlcInt64Array class using the specified type .
PlcInt64Array(PlcInt64ArrayType, Int64)	Initializes a new instance of the PlcInt64Array class using the specified type and values .
PlcInt64Array(PlcInt64ArrayType, PlcName, Int64)	Initializes a new instance of the PlcInt64Array class using the specified type , name and values .

Methods

Name	Description
GetElementCore(Int32)	Retrieves the PlcInt64 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, Int64)</code>	Stores the <code>value</code> in the <code>IPlcDevice</code> assigned to the <code>connection</code> specified.

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