

PlcUInt64Array 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 unsigned integer values ([UInt64](#)).

C#

```
[CLSCompliant(false)]
public class PlcUInt64Array : PlcArray<ulong, PlcUInt64>, IPlcArray<ulong, PlcUInt64>,
IPlcValue<ulong[]>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<ulong>,
IEnumerable
```

Inheritance [Object](#) > [PlcValue<UInt64>](#) > [PlcArray<UInt64, PlcUInt64>](#) > [PlcUInt64Array](#)

Attributes [CLSCompliantAttribute](#)

Implements [IPlcArray<UInt64, PlcUInt64>](#), [IPlcValue<UInt64>](#), [IPlcArray](#), [IPlcValue](#), [IPlcSymbol](#), [IPlcEntity](#), [IPlcStatusProvider](#), [IPlcRelocatable<IPlcValue>](#), [IPlcRelocatable](#), [ISupportInitialize](#), [IEnumerable<UInt64>](#), [IEnumerable](#)

Remarks

While a PLC array of this type represents an array of [UInt64](#) 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 LWORD.

Constructors

Name	Description
PlcUInt64Array(PlcIdentity, Int32)	Initializes a new instance of the PlcUInt64Array class using the specified identity and length .
PlcUInt64Array(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcUInt64Array class using the specified identity , name and length .
PlcUInt64Array(PlcIdentity, PlcName, UInt64)	Initializes a new instance of the PlcUInt64Array class using the specified identity , name and values .
PlcUInt64Array(PlcIdentity, UInt64)	Initializes a new instance of the PlcUInt64Array class using the specified identity and values .
PlcUInt64Array(PlcUInt64ArrayType)	Initializes a new instance of the PlcUInt64Array class using the specified type .
PlcUInt64Array(PlcUInt64ArrayType, PlcName, UInt64)	Initializes a new instance of the PlcUInt64Array class using the specified type , name and values .
PlcUInt64Array(PlcUInt64ArrayType, UInt64)	Initializes a new instance of the PlcUInt64Array class using the specified type and values .

Methods

Name	Description
GetElementCore(Int32)	Retrieves the PlcUInt64 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, UInt64)	Stores the value in the IPlcDevice assigned to the connection specified.

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