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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