PlcByteArray 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 8-bit unsigned integer values (Byte).

C#

```
public class PlcByteArray : PlcArray<byte, PlcByte>, IPlcArray<byte, PlcByte>,
IPlcValue<byte[]>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<byte>,
IEnumerable
```

Inheritance Object › PlcValue<Byte> › PlcArray<Byte, PlcByte> › PlcByteArray

Implements IPlcArray<Byte, PlcByte>, IPlcValue<Byte>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<Byte>, IEnumerable

Remarks

A PLC array of this type will be directly used by all PLC operations performed using the Byte. A PLC developer knows an array of this type as an ARRAY OF BYTE.

Constructors

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

Methods

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

Name	Description
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, Byte)	Stores the `value` in the IPlcDevice assigned to the `connection` specified.

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