

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

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