

PlcUInt16ArrayInfo Class

Namespace: IPS7Lnk.Advanced

Assemblies: IPS7LnkNet.Advanced.dll

Represents a PLC array member which addresses an unique data entry stored within a programmable logic controller (PLC) its values are 16-bit unsigned integer values ([UInt16](#)).

C#

```
[CLSCompliant(false)]
public class PlcUInt16ArrayInfo : PlcArrayInfo<ushort>, IPlcValueInfo, IPlcArrayInfo,
IPlcMemberInfo, IPlcRelocatable<IPlcMemberInfo>, IPlcRelocatable
```

Inheritance [Object](#) > [PlcMemberInfo](#) > [PlcValueInfo<UInt16>](#) > [PlcArrayInfo<UInt16>](#) > [PlcUInt16ArrayInfo](#)

Attributes [CLSCompliantAttribute](#)

Implements [IPlcValueInfo](#), [IPlcArrayInfo](#), [IPlcMemberInfo](#), [IPlcRelocatable<IPlcMemberInfo>](#), [IPlcRelocatable](#)

Remarks

While a PLC array of this type represents an array of [UInt16](#) values, all PLC operations performed using this class are done using the [Word](#). A PLC developer knows an array of this type as an ARRAY OF WORD.

Constructors

Name	Description
PlcUInt16ArrayInfo(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcUInt16ArrayInfo class using the specified identity , name and length .
PlcUInt16ArrayInfo(PlcName, Int32)	Initializes a new instance of the PlcUInt16ArrayInfo class using the specified name and length .
PlcUInt16ArrayInfo(PlcUInt16ArrayType, PlcName)	Initializes a new instance of the PlcUInt16ArrayInfo class using the specified type and name .

Properties

Name	Description
Name	Gets the name of the member. (Inherited from PlcMemberInfo)
Type	Gets the PlcType of the member. (Inherited from PlcMemberInfo)

Methods

Name	Description
MakeAbsoluteMember(PlcIdentity)	Retrieves the PlcUInt16ArrayInfo as an absolute addressable PLC data member.
MakeAbsoluteMember(PlcIdentity)	When implemented in a derived class, retrieves the IPlcMemberInfo as an absolute addressable PLC data member. (Inherited from PlcMemberInfo)
Relocate(Int32)	Relocates the PlcMemberInfo using the specified offset. (Inherited from PlcMemberInfo)
Relocate(Int32, Int32)	Relocates the PlcMemberInfo using the specified offset. (Inherited from PlcMemberInfo)
Relocate(Int32, Int32, Int32)	Relocates the PlcMemberInfo using the specified offset. (Inherited from PlcMemberInfo)
Relocate(PlcAddress)	Relocates the PlcMemberInfo using the specified address . (Inherited from PlcMemberInfo)
RelocateCore(PlcType)	Relocates the member to the type specified.
RelocateCore(PlcType)	When implemented in a derived class, relocates the member to the type specified. (Inherited from PlcMemberInfo)
ToString	Retrieves the string representation of the PlcMemberInfo . (Inherited from PlcMemberInfo)

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